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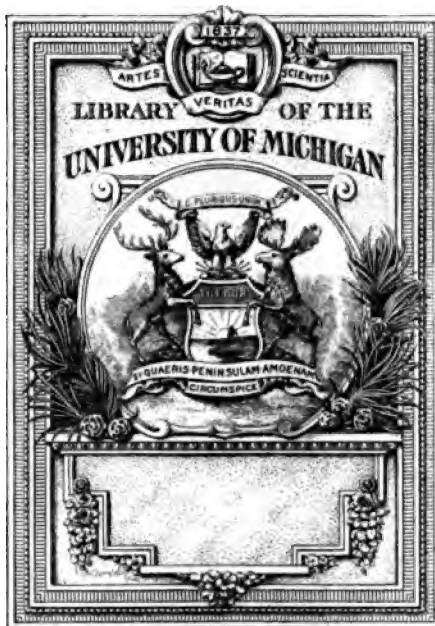
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Chase's Bindery,
Ann Arbor, Mich.



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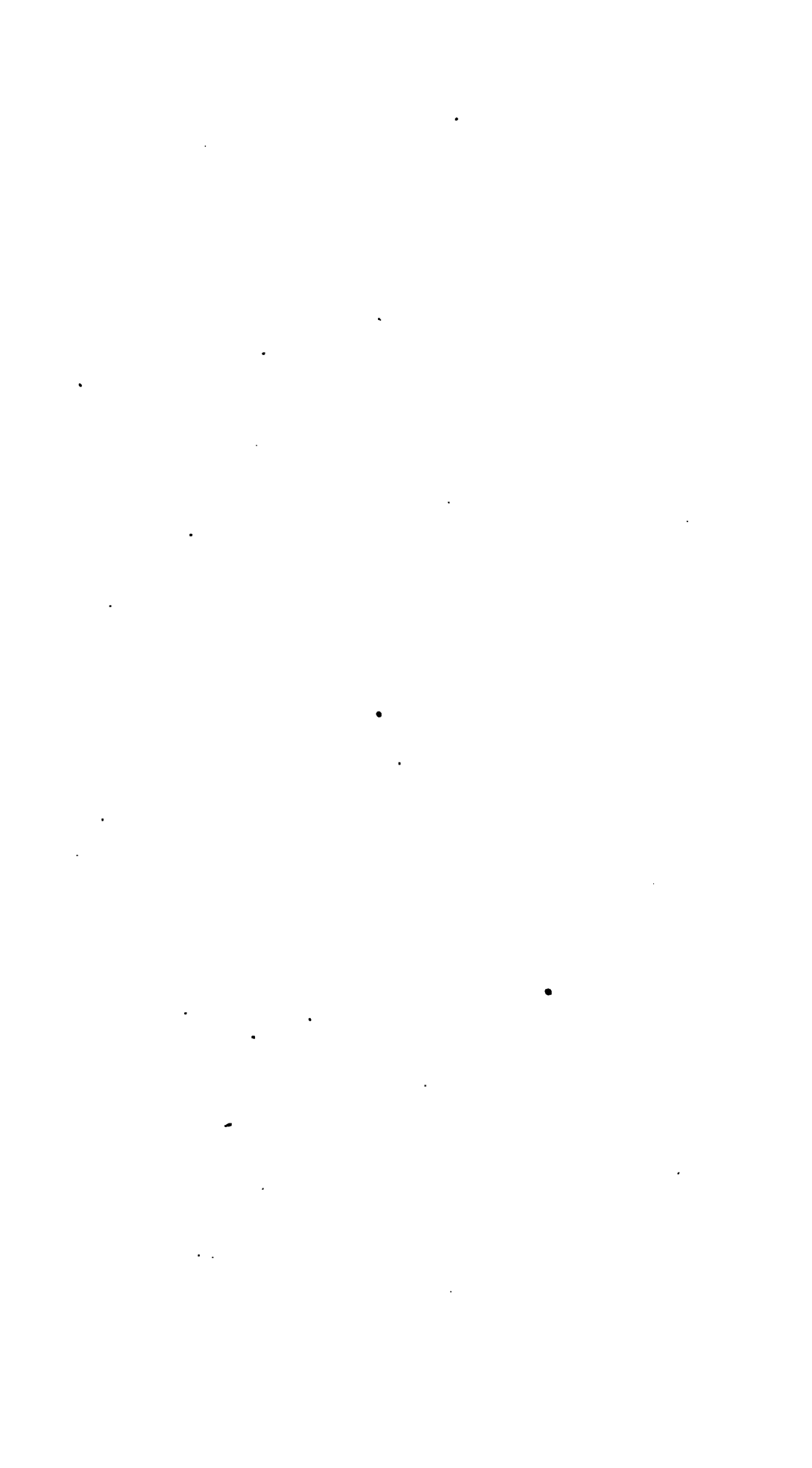
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V O L . . V .



SMITHSONIAN



MISCELLANEOUS COLLECTION

VOL. V.



"EVERY MAN IS A VALUABLE MEMBER OF SOCIETY WHO BY HIS OBSERVATIONS, RESEARCH
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WASHINGTON:
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1864.

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COLLINS. PRINTER.

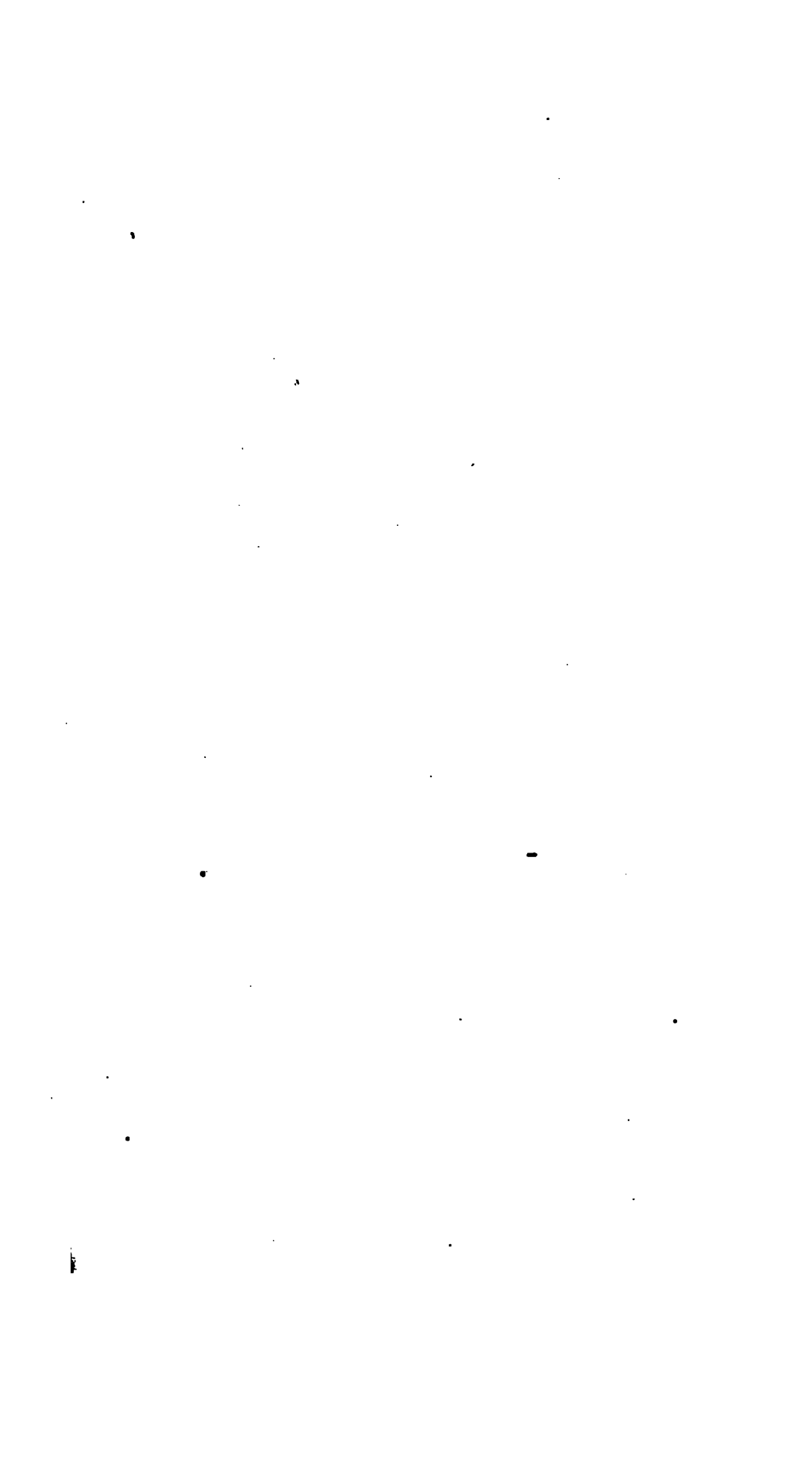
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TUTION. Corrected to June, 1862. June, 1862. Pp.
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ARTICLE III. LIST OF FOREIGN CORRESPONDENTS OF THE SMITHSONIAN
Institution. Corrected to January, 1862. May,
1862. Pp. 56.



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JOSEPH HENRY,
Secretary S. I.
(vii)



SMITHSONIAN MISCELLANEOUS COLLECTIONS.

BIBLIOGRAPHY

OF

NORTH AMERICAN CONCHOLOGY

PREVIOUS TO THE YEAR 1860.

PREPARED FOR THE SMITHSONIAN INSTITUTION

BY

W. G. BINNEY.

PART I.

AMERICAN AUTHORS.



**WASHINGTON:
SMITHSONIAN INSTITUTION.**

MARCH, 1863.

ADVERTISEMENT.

THE Smithsonian Institution has endeavored to procure the compilation of a series of Manuals of North American Conchology, of which several are now in press, and others in an advanced stage of preparation. The present work, which has been compiled by Mr. Binney, serves as a companion to the above mentioned series, and presents at one view the complete bibliography of the references in the other volumes.

Of the two parts into which the plan of Mr. Binney divides the work, Part I, with its three sections, is herewith presented. Part II is in press, and will embrace, in addition, a full index of authors, with a list of the publications of each, and a complete alphabetical index of all the names and synonyms, both generic and specific, referred to.

In order to render the work more perfect, a copy will be sent, as far as possible, to each living author mentioned, who is particularly requested to examine carefully and critically the account of his own writings, and to communicate to the Institution any errors or omissions, or any suggestions for improvement, to be incorporated into an appendix to Part II.

JOSEPH HENRY,
Secretary S. I.

SMITHSONIAN INSTITUTION,
WASHINGTON, March, 1863.

(ii)

PHILADELPHIA:
COLLINS, PRINTER.

PREFACE.

THE Bibliography of North American Conchology is intended to give a full account first, of the writings of American conchologists generally, and secondly, of such works of foreign authors as relate to the Shells or Mollusks of North America, as far south as about the Isthmus of Tehuantepec, and exclusive of the West Indies. It is therefore divided into two parts, as above indicated. Part I again separated into Section A, American descriptions of North American Mollusks, Section B, American descriptions of foreign Mollusks, and Section C, descriptions of foreign species by American authors in foreign works. Part I of the Bibliography, according to the above limitations, is herewith presented. Part II, to follow immediately, will complete the work and be accompanied by a full index of authors and names, and by a history of American Conchology.

It will be seen that each separate work or paper on the Recent Conchology of North America is taken up, its title and date given, its author's name, and a list of species therein described or in any important manner referred to, together with their synonymy, locality, and the volume, page, plate and figure relating to them. For their value as contributions to our knowledge of geographical distribution I have also quoted all the local lists of species, without descriptions. General works on Natural History and school books containing notices of conchology are sometimes referred to. They are too numerous and of too little importance to the scientific student to make it an object to include them all.

I have not included the Bryozoa. As it was necessary to draw the line between those to be omitted or quoted among the genera of doubtful position, I have decided to give only those included in the "Genera of Recent Mollusca," by H. and A. Adams.

The numerous typographical errors among the specific names of some of our works, especially local catalogues, have caused me some trouble and uncertainty. It was originally my intention to

correct them in my quotations, but it soon became evident that the better way would be to follow the original strictly. I have, therefore, done so, in the majority of cases. Many of the catalogues published without descriptions, and several of the general works not having been transcribed in my MSS., have been placed directly in the hands of the printer to be quoted. In these cases the original has been followed exactly. Generally it is easy to correct a typographical error—thus when an author describes a *Melania altalis*, it is evidently a mistake for *altilis*. And it is often easy to correct such errors as *Helix immitissima*, which my knowledge of the names of our *Helices*, would enable me to change to *minutissima*. But when I find a quotation of *Helix materna*, even my special knowledge does not enable me to decide whether the author refers to *Helix fraterna* or *Helix interna*. In genera which I have not personally studied I should have no clue of this kind to guide me. It has seemed best, therefore, to adopt the plan of giving a faithful reprint of the original. Any corrections of typography which my friends may make, should be confined, therefore, to my own errors, omitting those repeated from the original work.

The geographical limits to which I have confined my work are the whole continent of North America, including Greenland and the Arctic regions on the north, and including on the south the Mexican States of Chiapas and Tabasco. Thus the West Indies are not included, nor should one expect to find as perfect a quotation of the species of South Western Mexico as of any portion of the United States. My limits are such as to embrace the fauna of North America, but not that of Panama or the West Indies.

All the quotations are given from personal examination of the works quoted. The proof has generally been corrected from the original work, thus avoiding many errors committed in transcribing. As it cannot be hoped that no mistakes have escaped my scrutiny, I particularly desire any person to call my attention to any that may be noticed.

W. G. BINNEY.

BURLINGTON, N. J., March, 1863.

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PART I.
AMERICAN AUTHORS.

A.—WRITINGS ON AMERICAN SPECIES.

BIBLIOGRAPHY

OF

NORTH AMERICAN CONCHOLOGY.

Rafinesque.—Monographie des Coquilles bivalves et fluviatiles de la rivière Ohio (contenant douze genres et soixante-huit espèces: par M. C. S. RAFINESQUE, Prof. de bot. et d'hist. nat. à l'Univ. Transylvane de Lexington. Extrait de la 15^{me} livraison du 5^{me} tome des Annales Générales des Sciences Physiques. Sept. 1820, Bruxelles.)

Poulson.—The same, translated by C. A. POULSON, Philadelphia, 1832, without the plates, and with a frontispiece of *Unio verrucosa Raf.*

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
				FAM. PEDIFERIA.	
				1 ^{re} Sous-fam. UNIODIA.	
				1 ^{re} Genre UNIO.	
				1 ^{re} Sous-genre Elliptio .	
25	LXXX	1-4	15	<i>nigra Raf.</i>	Ohio.
27			18	<i>crassa Say.</i>	
27			19	<i>viridis Raf.</i>	Ohio & Kentucky river.
28			20	<i>fasciata Raf.</i>	Ohio, Alleghany, &c.
28			20	<i>caroliniana Bosc. (no des.)</i>	
28			20	<i>plicata? Lesueur =</i>	Lac Erie.
				var. d' <i>U. crassa (no des.)</i>	
28			20	<i>purpureus Say (no des.)</i>	Pennsylvania.
29			20	<i>aurata Raf.</i>	Hudson river.
				<i>pictorum</i>	
				2 ^{me} Sous-genre Leptodea .	
29	LXXX	5-7	21	<i>leptodon Raf.</i>	Ohio.
29			22	<i>fragilis Raf.</i>	
30	LXXX	8-10	22	<i>nervosa Raf.</i>	Ohio river.

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
30	LXXX	11-13	23	3 ^{me} Sous-genre Aximedia.	Louisville, Maysville. Kentucky river. Ohio river.
30			24	<i>elliptica</i> Raf.	
31			24	<i>levigata</i> Raf. <i>zonalis</i> Raf.	
31	LXXX	14-15	25	4 ^{me} Sous-genre Euryinia.	Ohio river.
31			25	<i>dilatata</i> Raf.	
32			26	<i>latissima</i> Raf. <i>solenoides</i> Raf. (3) <i>U. cylindrica</i> S.	
32	LXXX	16-19	27	2 ^{me} Genre LAMPSILIS.	Kentucky. Hudson river. Hudson river.
32			27	<i>cardium</i> Raf.	
33			28	<i>ovata</i> Say. <i>fasciola</i> Raf. <i>rosea</i> Raf. <i>pallida</i> Raf.	
34	LXXX	20-22	29	3 ^{me} Genre METAPTERA.	Ohio river.
34			30	<i>megaptera</i> Raf.	
34			30	<i>ochraceus</i> Say (no des.) <i>cariosus</i> Say (no des.)	
34	LXXXI	1-4	31	4 ^{me} Genre TRUNCILLA.	Ohio river.
35			31	<i>triqueter</i> Raf. <i>truncata</i> Raf.	
36			33	5 ^{me} Genre OBLIQUARIA.	
36	LXXXI	5-7	33	1 ^{re} Sous-genre Plagiola.	Ohio river, Mississippi. Ohio river, Kentucky. Evansville, Indiana. Ohio river.
36			34	<i>decorticata</i> Raf.	
37			35	<i>interrupta</i> Raf. <i>depressa</i> Raf. <i>lineolata</i> Raf.	
37	LXXXI	10-12	35	2 ^{me} Sous-genre Ellipsaria.	Kentucky river. Ohio river, &c. Ohio river.
37			36	<i>ellipsaria</i> Raf.	
38			37	<i>fasciolaris</i> Raf.	
38	LXXXI	8-9	37	<i>verrucosa</i> Raf.	Ohio river. Monongahela, Potomac. Hudson river.
38			37	<i>cuprea</i> Raf.	
39			38	<i>attenuata</i> Raf.	
39	LXXXI	13-14	38	3 ^{me} Sous-genre Quadrula.	Kentucky, &c. Ohio river.
39			39	<i>flava</i> Raf.	
39			39	<i>cyphya</i> Raf.	
40	LXXXI	15-16	39	<i>metanevra</i> Raf.	Kentucky. Kentucky river.
40			40	<i>reflexa</i> Raf.	
40			41	<i>retusa</i> Raf.	
40	LXXXI	17-18	41	<i>flexuosa</i> Raf.	Ohio and Kentucky riv. Kentucky river.
41			42	<i>nodulata</i> Raf.	
41			42	<i>quadrula</i> Raf.	
41	LXXXI	21-23	43	<i>bullata</i> Raf.	Ohio river. Ohio river, &c. Ohio river, &c. Ohio river.
42			44	4 ^{me} Sous-genre Rotundaria.	
42			44	<i>tuberculata</i> Raf.	
42	LXXXI	21-23	44	<i>subrotunda</i> Raf.	
42			45	<i>pusilla</i> Raf.	

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
				5^{me} Sous-genre <i>Scalenaria</i>.	
43			46	<i>obliquata Raf.</i>	Kentucky river.
43			46	<i>triangularis Raf.</i>	
43	LXXXI	24-25	47	<i>scalenia Raf.</i>	Kentucky river.
				6^{me} Sous-genre <i>Sintoxia</i>.	
44			47	<i>lateralis Raf.</i>	
44			48	<i>sintoxia Raf.</i>	Ohio river.
				II^{me} Sous-fam. AMBLEMIDIA	
				6^{me} Genre <i>OBOVARIA</i>.	
45			49	<i>obovalis Raf.</i>	Ohio river, &c.
45	LXXXII	1-3	49	<i>torsa Raf.</i>	Ohio river.
45			50	<i>striata Raf.</i>	Ohio river.
46			51	<i>pachostea Raf.</i>	Kentucky river.
46	LXXXII	4-5	51	<i>stegaria Raf.</i>	Ohio river.
46	LXXXII	6-7	52	<i>oordata Raf.</i>	Ohio river.
				7^{me} Genre <i>PLEUROBEMA</i>.	
47	LXXXII	8-10	53	<i>mytiloides Raf.</i>	Wabash river.
47			53	<i>cuneata Raf.</i>	Ohio river.
				8^{me} Genre <i>AMBLEMA</i>.	
48			55	<i>olivaria Raf.</i>	Kentucky river.
48			55	<i>rubra Raf.</i>	Kentucky river.
48	LXXXII	11-12	56	<i>torulosa Raf.</i>	Kentucky and Ohio riv.
49			56	<i>gibbosa Raf.</i>	Ohio river, &c.
49	LXXXII	13-14	57	<i>costata Raf.</i>	Ohio and Kentucky riv.
				III^{me} Sous-fam. ANODONTIDIA.	
				9^{me} Genre <i>ANODONTA</i>.	
				1^{re} Sous-genre <i>Anodonta</i>.	
50			59	<i>An. marginata Say (no des.)</i>	
50			59	<i>cataracta Say (no des.)</i>	
50			59	<i>atra Raf.</i>	Hudson river.
50			59	<i>cuneata Raf.</i>	Hudson river.
				2^{me} Sous-genre <i>Strophitus</i>.	
50			60	<i>undulata Say (no des.)</i>	
				3^{me} Sous-genre <i>Lastena</i>.	
50			60	<i>Ohioensis Raf.</i>	Ohio river, &c.
51	LXXXII	17-18	61	<i>lata Raf.</i>	Kentucky river.
				IV^{me} Sous-fam. ALASMIDIA.	
				10^{me} Genre. <i>ALASMIDONTA</i>.	
51			62	<i>A. marginata Say.</i>	Scioto river.
52	LXXXII	15-16	63	<i>costata Raf.</i>	Kentucky river.

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
				V ^{me} Sous-fam. CYCLADIA.	
				11 ^{me} Genre CYCLAS.	
				Polymesoda.	
52			64	<i>C. Caroliniana</i> Bosc. (no des.)	
				Phymesoda.	
52			64	<i>C. dubia</i> Say (no des.)	
				Amesoda.	
52			64	<i>C. similis</i> Say (no des.)	
				Corbicula (MEXICALI).	Foreign species.
				—	
52	LXXXII	19-21	64	<i>C. (Ameroda) lasmapais</i> Raf.	Ohio river, &c.
52			65	<i>C. (Phymeroda) equalis</i> Raf.	Ohio river.
				12 ^{me} Genre TREMESIA.	
54	LXXXII	22-24	67	<i>Tremesia patelloides</i> Raf.	Ohio river.
54			67	<i>Mytilus recurvus</i> Raf.	New Orleans.
55			68	<i>Unio (Euryntia) teres</i> Raf.	Wabash river.
55			68	<i>Obliquaria (Ellipsaria) sinuata</i> Raf.	Kentucky river.
55			69	<i>O. (Ellipsaria) atrovioleacea</i> Raf.	Kentucky river.
55			69	<i>O. (Plagiola) Cliffordiana</i> Raf.	Kentucky river.
56			70	<i>Unio (Amblema) antrorsa</i> Raf.	
				<i>Obovaria pachostea.</i>	

Rafinesque.—Continuation of the same. Philadelphia, Oct. 1831.

Page.	Name.	Locality.
2	<i>Epioblasma</i> n. g.	
2	<i>biloba</i> Raf.	Green and Kentucky rivers.
2	<i>Toxalaema</i> n. g.	
2	<i>cyolips</i> Raf.	Ohio and Mississippi rivers.
2	<i>U. abruptus</i> Say?	
2	<i>cinerescens</i> Raf.	Ohio and Kentucky rivers.
2	<i>lividus</i> Raf.	Rockcastle river.
2	<i>flexus</i> Raf.	Kentucky river.
2	<i>Bariosta</i> Raf. n. g.	
2	<i>ponderosa</i> Raf.	Ohio and Mississippi rivers.
2	<i>Lampalis vittata</i> Raf.	Green river.
2	<i>Euryntia montana</i> Raf.	Cumberland & Alleghany mts.
2	<i>Lampalis diploderma</i> Raf.	Salt river.
3	<i>Metaptera diaphana</i> Raf.	Kentucky.
3	<i>lasabrachys</i> Raf.	Licking river.
3	<i>Euryntia rimosa</i> Raf.	Cumberland river.

Page.	Name.	Locality.
3	Lemiox Raf. n. s. g.	
3	Euryxia fulva Raf.	Green and Rockcastle rivers.
3	Obliquaria calendis Raf.	Dick river.
3	Venus Raf.	Kentucky & Cumberland riv's.
3	Arimedia Raf. n. s. g.	
3	Obliquaria plateolus Raf.	Cumberland river.
3	tenellus Raf.	Kentucky.
3	bicolor Raf.	Kentucky river.
3	violacea Raf.	
3	Unio dilatata Raf.	
3	pallens Raf.	Ohio and Kentucky.
3	rivularis Raf.	Cumberland mountains.
3	fontinalis Raf.	Cumberland mountains.
4	ohloris Raf.	Cumberland mountains.
4	Sintoxia Raf.	
4	Obliquaria castanea Raf.	Kentucky.
4	Truncilla perplexa Raf.	Kentucky.
4	granulata Raf.	Salt river.
4	metaplata Raf.	Cumberland and Green rivers.
4	Unio pustulatus Raf.	Are mentioned by name only.
4	punctatus Raf.	
4	scabar Raf.	
4	elegans Raf.	
4	badius Raf.	
4	crenulatus Raf.	
4	Unio latissima Raf.	
4	U. recta Lam?	
4	retusa Raf. = premorsus Raf.	
4	depressa Raf. = compressus Raf.	
4	sinuata Raf. = cultratus Raf.	
4	Subgenera of Alasmodonta.	
4	Lasnigona Raf.	
4	Amblasmodon Raf.	
4	Decurambis Raf.	
4	Sulcularia Raf.	
5	Pterosyna Raf. n. g. = Alasmodonta complanata Say.	
5	Alasmodon ponderosum Raf.	Ohio and Mississippi.
5	Gonambius Raf.	
5	Alasmodon rugosum Raf.	Tennessee river.
5	sulcatum Raf.	Tennessee and Mississippi.
5	viridis Raf.	Ohio river.
5	Amblasmodon hians Raf.	Tennessee river.
5	Decurambis scriptum Raf.	Green river.
5	atropurpureum Raf.	Cumberland River.
5	Sulcularia badium Raf.	Knobs.

Page.	Name.	Locality.
5	<i>papyracea Raf.</i>	East Kentucky.
5	<i>Lasmonos fragilis Raf.</i>	East Kentucky.
6	<i>Anodonta inflata Raf.</i>	Kentucky and Green river.
6	<i>digonota Raf.</i>	Lake Erie.
6	<i>rufa Raf. (no des.)</i>	
6	<i>Flexiptis Raf. n. s. g.</i>	
6	<i>Diplasma Raf. n. g.</i>	
	<i>marginata Raf.</i>	Tennessee?

Rafinesque.—*Apollisia*, the Mollusca: by C. S. RAFINESQUE.
(From *Annals of Nature*, No. 1, 1820, with descriptions.)

Page.	No.	Name.	Locality.
10		<i>Phylomycus Raf. n. g.</i>	
10	69	<i>quadralus Raf.</i>	Hudson river.
10	70	<i>oxyurus Raf.</i>	New York.
10	71	<i>fuscus Raf.</i>	Ohio.
10	72	<i>flexuolaris Raf.</i>	Catskill mountains.
10		<i>Eumelus Raf. n. g.</i>	
10	73	<i>nebulosus Raf.</i>	Ohio, Kentucky.
10	74	<i>lividus Raf.</i>	Ohio, Kent'ky, Ind.
10	75	<i>gracilis Raf. (Deroceras?)</i>	Hendersonville, Ky.
10		<i>Hemiloma Raf. n. g. (univalve land shell).</i>	
10	76	<i>ovata Raf. (fossil?)</i>	Lexington.
11	77	<i>Pleurocera verrucosa Raf.</i>	Ohio river.

Lesueur.—Descriptions of several new species of Cuttle-fish:
by C. A. LESUEUR. (From *Journal of the Academy of Natural
Sciences of Philadelphia*, vol. ii, part i, 1821.)

Vol.	Page.	Plate.	Name.	Locality.
ii	92	viii	<i>Loligo Pealeii Lesueur.</i>	C. of South Carolina?
ii	95	?	<i>ilicebrosa Lesueur.</i>	Sandy Bay, Newfoundland.
ii	96	?	<i>pavo Lesueur.</i>	Sandy Bay.
ii	98	ix	<i>Onykia Carribæa Lesueur.</i>	Gulf of Mexico.

Barnes.—On the Genera *Unio* and *Alasmodonta*; with Intro-
ductory Remarks: by D. W. BARNES, M. A., Member N. Y.
Lyc. Nat. Hist. (*American Journal Science and Art*, O. S. vi,
No. 1, pp. 107-127; No. 2, pp. 258-280. Date of title, 1823.)

Page.	Fig.	Name.	Locality.
118	1	<i>Unio crassus Say.</i>	Ohio & Mississippi rivers; lakes.
		<i>U. crassidens Lam.</i>	
		<i>Mya ponderosa Dillw.?</i>	
120	2	<i>undulatus Barnes.</i>	Ohio river.
		<i>U. Peruviana? Lam.</i>	

Page.	Fig.	Name.	Locality.
120	3	<i>Unio plicatus</i> Say.	Ohio, Mississippi, Wisconsin.
		<i>U. variplicata</i> Lam.	
121	4	<i>undatus</i> Barnes.	Wisconsin and Fox rivers.
		<i>U. obliqua</i> Lam.?	
122	5	<i>cornutus</i> Barnes.	Fox river.
123	6	<i>verrucosus</i> Barnes.	Wisconsin riv.; Lake Erie.
124	7	<i>nodosus</i> Barnes.	Wisconsin.
125	8	<i>tuberculatus</i> Barnes.	Wisconsin.
126	9	<i>rugosus</i> Barnes.	Ohio.
259	19	<i>ellipticus</i> Barnes.	Fox river.
		<i>U. crassus</i> Say.	
		<i>Mya complanata</i> Dillw.	
259	10	<i>carinatus</i> Barnes.	Fox river.
260		<i>alatus</i> Say.	Wisconsin.
261	11	<i>prælongus</i> Barnes.	Wisconsin.
		<i>U. purpurata</i> Lam.?	
262	12	<i>gibbosus</i> Barnes.	Wisconsin.
263		<i>cuneatus</i> Barnes.	Ohio river.
264		<i>purpureus</i> Say.	East of Alleghany mts.
		<i>U. purpurescens</i> Lam.	
		<i>rarisulcata</i> Lam.?	
		<i>coarctata</i> Lam.?	
		<i>rhombula</i> Lam.?	
		<i>carinifera</i> Lam.?	
		<i>Georgina</i> Lam.?	
265		<i>radiatus</i> Dillw.	North America.
		<i>U. ochraceus</i> Say.	
		<i>radiata</i> Lam.	
266	13	<i>muoronatus</i> Barnes.	Wisconsin river.
266		<i>inflatus</i> Barnes.	Wisconsin riv. & Lake Erie.
267	14	<i>ventricosus</i> Barnes.	Wisconsin and Miss. rivers.
269	15	<i>alliquoides</i> Barnes.	Wisconsin river.
270		<i>ovatus</i> Say.	Ohio and Maumee rivers.
271		<i>cariosus</i> Say.	North America.
272	16	<i>planus</i> Barnes.	Wisconsin river.
272	17	<i>triangularis</i> Barnes.	Detroit river.
273		<i>nasutus</i> Say.	Delaware river.
274		<i>gracilis</i> Barnes.	Wisconsin riv. & the lakes.
		<i>U. alatus</i> Say.	
274	18	<i>parvus</i> Barnes.	Fox river.
277	20	<i>Alasmodonta arcuata</i> Barnes.	West Canada Creek.
278	21	<i>rugosa</i> Barnes.	Fox river.
278	22	<i>complanata</i> Barnes.	Fox river, Wisconsin.
279		<i>marginata</i> Say. (no des.)	
279		<i>undulata</i> Say. (no des.)	

Lesueur.—Description of a new species of Cephalopode of the genus *Loligo*: by C. A. LESUEUR. (From *Journal Acad. Nat. Sci. of Philadelphia*, O. S., vol. iii, pt. 2, 1824.)

Vol.	Page.	Plate.	Name.	Locality.
3	282	x	<i>Loligo brevipinna</i> Lesueur.	Delaware Bay.

Lesueur.—Description of several new species of Ascidia: by C. A. LESUEUR. (From the same, vol. iii, pt. 1, 1823.)

Vol.	Page.	Plate.	Name.	Locality.
3	vii	4, 5	<i>Ascidia probosoidea</i> Lesueur. (Only American species.)	Georgia.

Coates.—Remarks on the floating apparatus and other peculiarities of the genus *Janthina*: by REYNELL COATES, M. D. (In the *Journal of the Academy of Natural Sciences of Philadelphia*, vol. iv, pt. 2, p. 356–360, 1825.)

Barnes.—Notes on the *Murex corona* of Gmelin: by D. H. BARNES. (From the *Annals of the New York Lyceum of Natural History*, vol. ii, pp. 291, 292. Read Oct. 8, 1827. Date of title-page of vol. ii, 1828.)

Page.	Name.	Locality.
291	<i>Murex corona</i> Gmel. <i>Fusus corona</i> Lam.	Gulf of Mexico.

Green.—Description of *Helix Pennsylvanicus*: by JACOB GREEN. (From the *Contributions of the Maclurian Lyceum to the Arts and Sciences*, vol. i, No. 1, p. 8. Philadelphia: Jan. 1827.)

Green.—Some remarks on the *Unio* of the United States, with a description of a new species: by JACOB GREEN, A. M., Prof. Chem. Jeff. Med. Coll. (From the same, vol. i, No. 2, p. 41. July, 1827.)

[Specific characters, variations, naere, monstrosities, erosion, pearls, habits of various species, and facts concerning synonymy.]

Page.	Fig.	Name.	Locality.
46	iii	<i>Unio Esopus</i> Green.	Pittsburg.

[Descriptions and figures of *Achatina Stewartii* and *A. Oahuensis* are given in the succeeding article, and in No. 3, by the same author.]

Barnes.—Reclamation of Unios: by D. H. BARNES. (Amer. Journal of Science and Arts, O. S., vol. xiii. No. 2, pp. 358–364. Date of title, Jan. 1828.)

[This paper forms a criticism of Valenciennes' Uniones in Humboldt and Bonpland's Zoological Observations.—W. G. B.]

Page.

359	<i>Unio ovata</i> Val. = <i>U. cariosus</i> Say.
360	<i>Dombeyanus</i> = Conf. <i>U. rugosus</i> and <i>U. undulatus</i> .
360	<i>verrucosus</i> = <i>U. verrucosus</i> b. Barnes.
360	<i>tuberculosis</i> = <i>U. verrucosus</i> Barnes (young).
360	<i>rostratus</i> = <i>U. nasutus</i> Say non Lam.
361	<i>naviformis</i> Lam. = <i>U. cylindricus</i> Say.
361	<i>rectus</i> Lam.
361	<i>hians</i> = <i>Alasmodonta undulata</i> Say.
363	<i>Anodonta glauca</i> = <i>An. marginata</i> Say.
363	<i>purpurea</i> = <i>Alasmodonta</i> .

Hildreth.—Observations on, and descriptions of, the Shells found in the waters of the Muskingum River, Little Muskingum, and Duck Creek, in the vicinity of Marietta, Ohio: by S. P. HILDRETH, M. D. (In the American Journal of Science, O. S., vol. xiv, pp. 276–291, 1828. With two plates.)

Page.	Fig.	
278	1	<i>Unio crassus</i> .
278	2	ellipticus.
279	3	cuneatus.
279	4	undulatus.
280	5	plicatus. (Var. of <i>undatus</i> teste Barnes.—Eds. Jour.)
280	6, 7	undatus.
281	8	verrucosus purpureus.
281	9	verrucosus albus.
281	10	nodosus.
282	11	tuberculatus.
282	12	rugosus.
283	13	cylindricus.
283	14	phaseolus.
		(White var. of <i>cuneatus</i> teste Barnes.—Eds. Jour.)
284	15	orbiculatus.
284	16	foliatus [Hildreth].
		(New and distinct, Barnes.—Eds. Journal.)
285	17	alatus.
286	18	prælongus.
286	19	gibbosus.

Page.	Fig.	
286	20	<i>Unio radiatus</i> . (<i>U. ventricosus</i> (young) Barnes.—Ed. Jr.)
287	21	<i>ovatus</i> .
287	22	<i>triangularis</i> .
288	23	<i>gracilis</i> .
289	24	<i>Alasmodonta rugosa</i> .
289	25	<i>complanata</i> .
290	26	<i>Anodonta undulata</i> .
290	27	<i>Paludina decisa</i> .

Nicklin.—Conchological Observations on Lamark's Family of Naiades: by PHILIP HOULBROOKE NICKLIN. (From Transactions American Philosophical Society, N. S., vol. iii, pp. 395–399. Read March 6, 1829.)

Menke.—Synopsis methodica Molluscorum, etc., quæ in Museo-Menkeano adservantur; cum synonymia critica et novarum specierum diagnosis, auctore CAROLO THEODORO MENKE, M. D.^m. Pyrmonti, 1830. Editio altera.

[I give only the American species described as new.—W. G. B.]

Page.	Name.	Locality.
132	<i>Physa striata</i> Menke.	Goshen, Mass.
132	<i>subarata</i> Menke.	Cincinnati.
133	<i>Cyclostoma Mexicanum</i> Menke.	Papantla, Mexico.
134	<i>Paludina sulcosa</i> Menke.	Cincinnati.
134	<i>Melania oruentata</i> Menke.	Cincinnati.
134	<i>ovularis</i> Menke.	Cincinnati.
135	<i>angulosa</i> Menke.	Cincinnati.
135	<i>livescens</i> Menke.	Lake Erie.
135	<i>curta</i> Menke.	Philadelphia.
135	<i>exarata</i> Menke.	Cincinnati.
136	<i>ligata</i> Menke.	Cincinnati.
136	<i>fasciata</i> Menke.	Philadelphia.
136	<i>auriscalpium</i> Menke.	Cincinnati.
137	<i>Oxytrema crenulatum</i> Menke.	Mexico.

Green.—Monograph of the Cones of North America, including three new species: by JACOB GREEN, M. D. (From Transactions of the Albany Institute, vol. i. Albany, 1830.)

Page.	Plate.	Fig.	Name.	Locality.
122	iii	1	<i>Conus mus Brug.</i>	Florida Keys.
123	iii	4	<i>Leucoosticus Gmel.</i>	Florida Keys.
123	iii	3	<i>Pealii Green.</i>	Keys Vache.
123	iii	5, 6	<i>mamillaris Green.</i>	Florida.
124	iii	2	<i>Marylandicus Green (fossil).</i>	Maryland.
124			<i>deluvianus Green (fossil)</i>	St. Mary's, Md.

(Remarks on *Pecten Clintonius Say*, fossil.)

Green.—On the *Dolia* of the United States: by same. (From the same work.)

Page.	Plate.	Name.	Locality.
131	iv	<i>Dolium sonatum Green.</i>	Western coast.
132		<i>perdix Lin.</i>	Chesapeake Bay to Florida.
132		<i>plumatum Green.</i>	
		<i>Buccinum maculosum Solander?</i>	
133		<i>olearium Lin.</i>	Florida.

Green.—Notes on the American Shells figured in the Supplement to the *Index Testaceologicus*: by same. (From same work as above. No descriptions are given.)

Page.

- 134 *Unio (Mya) rotunda Wood* = *U. circulus Lea*.
Mya oblongata.
nasuta.
undulata Wood, not *U. undulata Barnes*; *U. plicatus Lesueur (teste Lea)* is *U. Peruviana Lam.*
gravis and *cariosus*.
rugulosa is not *rugosus Barnes* (not a var. of *metanevra*).
obliquus Wood = *obliqua Lam.* or *scalenius Raf.*
- 135 *Castalia ambigua* not from U. S.
Unio rigida Wood.
praelonga Barnes = *rectus Lam.*
Hyria unguata Wood not U. S.
Strombus noviboracenses Wood = *Nassa obsoleta*.
Helix angulata = *Planorbis bicarinatus*.
Paludina subcarinata Wood = *Pal. dissimilis*.
Helix fraterna Wood = *H. hirsuta Say*.
Paludina discissa Wood = *Pal. subcarinata Say*.
dissimilis Wood = *Pal. discissa Say*.
Virginica Wood = *Melania Virginica*.
- 136 *Polygyra auriculata Say* = *Helix Sayi Wood*.

(Also remarks on the American species of *Unio* in the British Museum, and notes on figures of *Wood* which are correctly named.)

Conrad.—On the Geology and Organic Remains of a part of the peninsula of Maryland: by TIMOTHY A. CONRAD. (In the Journal of the Academy of Natural Sciences of Philadelphia, vol. vi, pt. 2, pp. 205–217, 1830.)

The following species are said to be found recent on our coast:—

Page.		Page.	
207	<i>Crepidula convexa</i> Say.	208	<i>Psammobia fusca</i> Say.
207	<i>glaucæ</i> Say.	208	<i>lusoria</i> Say.
207	<i>Fusus cinereus</i> Say.	208	<i>Solen Caribæus</i> Linn.
207	<i>Nassa obsoleta</i> Say.	208	<i>ensis</i> Linn.
207	<i>trivittata</i> Say.	208	<i>Venus mercenaria</i> Lam.
207	<i>Natica duplicata</i> Say.	211	<i>Nassa trivittata</i> Say.
207	<i>Ranella caudata</i> Say.	211	<i>obsoleta</i> Say.
207	<i>Arca transversa</i> Say.	211	<i>lunata</i> Say.
207	<i>ponderosa</i> Say.	211	<i>Natica heros</i> Say.
207	<i>Corbula contracta</i> Say.	211	<i>Pyrula carica</i> Lam.
208	<i>Clathrodon cuneata</i> Gray.	211	<i>canaliculata</i> Lam.
	<i>Cyrena truncata</i> Lam. ?	211	<i>Scalaria clathrus</i> .
208	<i>Mastra lateralis</i> Say.	212	<i>Arca arata</i> Say.
208	<i>Mya mercenaria</i> Say.	212	<i>Cytherea concentrica</i> Lam.
208	<i>Mytilus hamatus</i> Say.	212	<i>Ostrea Virginica</i> Lam.
208	<i>Pandora trilineata</i> Say.	212	<i>Saxicava distorta</i> Say.
208	<i>Petricola pholadiformis</i>	212	<i>Venus paphia</i> ?
	Lam.	216	<i>Lucina divaricata</i> Lam.
	<i>P. fornicata</i> Say.	216	<i>Fissurella græca</i> Lam.
208	<i>Pholas costata</i> Lam.		

Conrad.—In the same volume of the Journal (pp. 256–268), are descriptions of fifteen new species of recent, and three of fossil shells, chiefly from the coast of the United States, by TIMOTHY A. CONRAD; with a plate. April, 1831.

Page.	Plate.	Fig.	Name.	Locality.
256			<i>Mastra solidissima</i> Chemnitz.	
			<i>M. solida</i> var. <i>ß</i> Gmelin.	
			<i>M. procera</i> Solander.	
			<i>M. grandis</i> Solander.	
			<i>M. stultorum</i> Solander.	
			<i>M. gigantea</i> Lamark.	
			<i>M. similis</i> Say.	
257	xi	1	<i>arcata</i> Conrad.	Massachusetts.
258	xi	2, 3	<i>tellinoides</i> Conrad.	Mass., R. I., Fl.
258	xi	4	<i>nucleus</i> Conrad.	New Jersey.
259	xi	5, 6, 7	<i>Cardium Mortoni</i> Conrad.	Northern coast.
260	xi	8	<i>pinnulatum</i> Conrad.	Massachusetts.

Page.	Plate.	Fig.	Name.	Locality.
230			<i>Pecten Pealli</i> Conrad.	Maine.
261	xi	12	<i>Mya hyalina</i> Conrad.	Northern coast.
261			<i>Cytherea convexa</i> Say.	R. I., N. J.
263	xi	11	<i>Anatina Leana</i> Conrad.	Northern coast.
263	xi	13	<i>Mytilus leucophæatus</i> Conrad.	Southern coast.
265			Remarks on <i>Pecten Magellanicus</i> .	
266	xi	17, 18	<i>Velutina rupicola</i> Conrad.	Massachusetts.
266	xi	19	<i>Lacuna pertusa</i> Conrad.	Massachusetts.
267	xi	20	<i>Patella alveus</i> Conrad.	Massachusetts.

Short; Eaton.—Notices of Western Botany and Conchology: by C. W. SHORT, M. D., and H. H. EATON, A. M. (From the Transylvania Journal of Medicine, Feb. 1831. No descriptions are given, but full notes and the locality of each species.)

Page.		Page.	
74	<i>Unio plicatus</i> Lesueur.	77	<i>Unio rectus</i> Lea.
	<i>U. costata</i> Raf. ?		<i>U. prælongus</i> Barnes.
74	<i>mytiloides</i> Raf.	78	<i>gibbosus</i> Barnes.
	<i>U. undatus</i> Barnes.	78	<i>conneatus</i> Barnes.
74	<i>scalenius</i> Raf.	78	<i>ovatus</i> Say.
75	<i>ellipsis</i> Lea.	78	<i>occidens</i> Lea.
75	<i>sulcatus</i> Lea.	78	<i>triangularis</i> Barnes.
75	<i>ridibundus</i> Say.	78	<i>parvus</i> Barnes.
75	<i>torulosus</i> Raf.	79	<i>zigzag</i> Lea.
	<i>U. cornutus</i> Barnes.	79	<i>triqueter</i> Raf.
	<i>U. foliatus</i> Hildreth.		<i>U. calceolus</i> Lea.
75	<i>verrucosus</i> Barnes.	79	<i>monodonta</i> Say.
76	<i>metanever</i> Raf.		<i>Alasmodonta costata</i> Raf.
	<i>U. nodosus</i> Barnes.	80	<i>Symphonota alata</i> Lea.
	<i>U. rugosus</i> Barnes.		<i>U. alatus</i> Say.
76	<i>lachrymosus</i> Lea.	80	<i>complanata</i> Lea.
76	<i>tuberculatus</i> Barnes.		<i>Alasm. complanata</i> Barn.
76	<i>cylindricus</i> Say.	80	<i>lævissima</i> Lea.
76	<i>cariosus</i> Say.	80	<i>gracilis</i> Lea.
	<i>U. crassus</i> Say.		<i>U. gracilis</i> Barnes.
	<i>U. carinatus</i> Barnes.		<i>U. planus</i> Barnes.
	<i>U. ellipticus</i> Barnes.	80	<i>tenuissima</i> Lea.
77	<i>phaseolus</i> Hildreth.		<i>Anodonta lata</i> Raf. ?
	<i>U. planulatus</i> Lea.	81	<i>Alasmodonta rugosa</i> Barnes.
77	<i>securis</i> Lea.	81	<i>Anodonta undulata</i> Say.
	<i>U. depressa</i> Raf.	81	<i>Cyclas similis</i> Say.
77	<i>torvus</i> Raf.	82	<i>Melania Sayi</i> Wood.
77	<i>circulus</i> Lea.	82	<i>Virginica</i> Say (Limnes).
77	<i>irroratus</i> Lea.	82	<i>Paludina decisa</i> Say.
		82	— ?

Rafinesque.—Enumeration and account of some remarkable Natural Objects in the Cabinet of Prof. RAFINESQUE, in Philadelphia. Philadelphia, Nov. 1831.

FLUVIATILE UNIVALVE SHELLS.

Page.	Name.	Locality.
2	<i>Pleurocera gonula Raf.</i>	Kentucky river.
3	<i>acuta Raf.</i>	Lake Erie.
3	<i>rugosa Raf.</i>	Western Kentucky.
3	<i>Melania (Ambloxus) rugosa Raf.</i>	Cumberland mountains.
3	<i>viridis Raf.</i>	Licking river.

LAND UNIVALVE SHELLS.

3	<i>Aplodon Raf. n. g.</i>	
3	<i>nodosum Raf.</i>	Kentucky.
3	<i>Stenostoma Raf. n. g.</i>	
3	<i>convexa Raf.</i>	Kentucky.
3	<i>Toxostoma Raf. n. g.</i>	
3	<i>globularis Raf.</i>	Kentucky.
3	<i>Mesodon Raf. n. g.</i>	
3	<i>maculata Raf.</i>	
3	<i>Trophodon Raf. n. g.</i>	
3	<i>Odomphium Raf. n. g.</i>	
3	<i>Omphalina Raf. n. g.</i>	
3	<i>cuprea Raf.</i>	Kentucky.
3	<i>Triodopsis Raf. n. g.</i>	
3	<i>lunula Raf.</i>	Kentucky.
3	<i>Menomphis Raf. n. s-g.</i>	
3	<i>Xolotrema Raf. n. g.</i>	
3	<i>clausa Raf.</i>	
3	<i>Agatina variegata Raf.</i>	Louisiana.
3	<i>fuscata Raf.</i>	Texas.

Green.—Notes of a Naturalist: by JACOB GREEN, M. D. (From the Cabinet of Natural History and American Rural Sports, vol. ii. J. & T. Doughty: Philadelphia, 1832.)

Page.	Name.	Locality.
290	<i>Unio capax Green.</i>	Falls of St. Anthony; Bayou Têche.
291	<i>Helicina rubella Green.</i>	Western Pennsylvania.
291	<i>Paludina Alleghanensis Green.</i>	Mountains of Pennsylvania.

Anonymous.—Ohio Shells; a criticism on Notices of Western Botany and Conchology by C. W. SHORT, M. D., and H. HULBERT EATON, A. M. (R. S); and Monograph of the Bivalve Shells of the river Ohio: translated from the French of Prof. RAFINESQUE by C. A. POULSON, Esq. (From the Monthly American Journal of Geology and Natural Science, vol. i, No. 8, pp. 370-377. Philadelphia, Feb. 1832.)

Investigator.—Remarks on the article contained in Silliman's Journal for April, 1832, entitled "Mr. Lea on the Naiades:" by INVESTIGATOR. (From the same, vol. i, No. 12, pp. 537-549. June, 1832.)

Page.

- | | |
|-----|---|
| 543 | <i>Unio occidentalis</i> Lea = <i>U. ventricosus</i> Barnes. |
| 544 | <i>oriens</i> Lea = <i>U. dehiscens</i> Say. |
| 544 | <i>trapezoides</i> Lea = <i>U. interruptus</i> Say. |
| 544 | <i>multiplicatus</i> Lea = <i>U. heros</i> Say. |
| 544 | <i>ellipsalis</i> Lea = <i>U. olivaria</i> Rafinesque. |
| 545 | <i>irroratus</i> Lea = <i>U. stegaria</i> var. <i>Rafinesque</i> . |
| 545 | <i>planulatus</i> Lea = <i>U. fasciolaris</i> Rafinesque. |
| 545 | <i>circulus</i> Lea = <i>U. striata</i> var. <i>rosea</i> Rafinesque. |
| | <i>U. orbiculatus</i> } are also remarked on. |
| | <i>torsus</i> } |
| | <i>rotundata</i> } |
| 545 | <i>patulus</i> Lea = <i>U. cuneata</i> Rafinesque. |
| 545 | <i>rubiginosus</i> Lea = <i>U. flava</i> Rafinesque. |
| 546 | <i>donaciformis</i> Lea = <i>U. truncata</i> Rafinesque. |
| 546 | <i>securis</i> Lea = <i>U. depressa</i> Rafinesque. |
| 546 | <i>pustulosus</i> Lea = <i>U. bullata</i> Rafinesque. |
| 546 | <i>pustulatus</i> Lea = <i>U. nodosa</i> Rafinesque. |
| 546 | <i>soleniformis</i> Lea = <i>U. monodonta</i> Say. |
| 546 | <i>perplexus</i> Lea = <i>U. gibbosa</i> Rafinesque. |
| 546 | <i>pileus</i> Lea = <i>U. flexuosus</i> Rafinesque. |
| 546 | <i>sulcatus</i> Lea = <i>U. obliquata</i> Rafinesque. |
| 546 | <i>pyramidatus</i> Lea = <i>U. rubra</i> Rafinesque. |
| 546 | <i>lachrymosus</i> Lea = <i>U. metanevra</i> Rafinesque? |
| | <i>U. metanevra</i> Rafinesque, is not <i>U. quadrula</i> . |
| 546 | <i>asperrimus</i> Lea = <i>U. rugosus</i> Barnes. |
| 546 | <i>brevidens</i> Lea = <i>U. depressa</i> Rafinesque. |
| 546 | <i>varicosus</i> Lea = <i>U. esopus</i> Green. |

Conrad.—On some New Fossil and Recent Shells of the United States: by T. A. CONRAD. (Am. Journ. Sci., O. S., xxiii, No. 2, pp. 339-346. Date of title-page, Jan. 1833.)

RECENT SHELLS.

Page.	Name.	Locality.
344	<i>Lucina Floridana</i> Conrad.	Pensacola.
345	<i>Cytherea Sayana</i> Conrad.	Rhode Isl. & N. Jersey.
	<i>C. convexa</i> Say (preoc.)	
345	<i>Melampus borealis</i> Conrad.	Rhode Island.
345	<i>Ungulina transversa</i> Lam. (notes on).	West Indies.
345	<i>Lima glacialis</i> Lam. (notes on).	West Indies.
346	<i>Pholas costata</i> Lin. (notes on).	Mid. & Southern States.
346	<i>Cardium Mortoni</i> Conrad (notes on).	Southern States, Fla.

Ravenel.—Catalogue of Recent Shells in the Cabinet of EDMUND RAVENEL, M. D. Charleston, S. C., 1834.

[No descriptions are given. The following are the American species:—]

Page.	Name.	Locality.
2	<i>Teredo navalis</i> Lam.	South Carolina.
2	<i>Pholas costata</i> Lam.	South Carolina.
2	<i>oblongata</i> Say.	South Carolina.
2	<i>truncata</i> Say.	South Carolina.
2	<i>cuneiformis</i> Say.	South Carolina.
2	<i>Solen ensis</i> Lam.	Maine, South Carolina.
2	<i>viridis</i> Say.	South Carolina.
2	<i>caribceus</i> Lam.	South Carolina.
2	<i>radiatus</i> .	Massachusetts.
2	<i>Mya arenaria</i> Lam.	Bay of New York.
2	<i>Lutraria canaliculata</i> Say.	South Carolina.
2	<i>lineata</i> Say (rare).	South Carolina.
2	<i>Maetra gigantea</i> Lam.	Massachusetts.
	<i>solidissima</i> Chem.	
	<i>similis</i> Say.	
	<i>grandis</i> Solander.	
2	<i>similis</i> Say.	South Carolina.
	<i>grandis</i> Solander.	
2	<i>lateralis</i> Say.	South Carolina.
2	<i>oblongata</i> Say.	South Carolina.
3	<i>Amphidesma aequale</i> Say.	South Carolina.
3	<i>orbiculata</i> Say.	South Carolina.
3	<i>lepida</i> Say.	South Carolina.
3	<i>Corbula contracta</i> Say.	South Carolina.
3	<i>Pandora trilineata</i> Say.	Nantucket.
3	<i>Pectriola pholadiformis</i> Lam	South Carolina.
3	<i>dactylus</i> Sowb.	South Carolina.
3	<i>flagellata</i> (new) Say.	South Carolina.
3	<i>Sanguinolaria lusoria</i> Conrad.	South Carolina.
	<i>Psammobia lusoria</i> Say.	

Page.	Name.	Locality.
3	<i>Sanguinolaria fusca</i> Conrad.	South Carolina.
	<i>Præmobia fusca</i> Say.	
3	<i>Tellina tenuis</i> ?	South Carolina.
4	<i>interrupta</i> Dillw.	South Carolina.
4	<i>alternata</i> Say.	South Carolina.
4	<i>polita</i> Say.	South Carolina.
4	<i>iris</i> Say.	South Carolina.
4	<i>brevifrons</i> Say (new).	South Carolina.
4	<i>Lucina edentula</i> Lam.	South Carolina.
4	<i>divaricata</i> Lam.	South Carolina.
4	<i>Donax variabilis</i> Say.	South Carolina.
4	<i>Crassina castanea</i> Say.	Maine.
4	<i>Cyclos partumcela</i> Say.	South Carolina.
4	<i>similis</i> Say.	Pennsylvania.
4	<i>Cyrena carolinensis</i> Lam.	South Carolina.
4	<i>Cyprina Islandica</i> Lam.	Massachusetts.
4	<i>Cytherea gigantea</i> Lam.	East Florida.
4	<i>concentrica</i> Lam.	South Carolina.
4	<i>Sayana</i> .	Rhode Island.
4	<i>Venus mercenaria</i> Lam.	South Carolina.
5	<i>paphia</i> .	South Carolina (rare).
5	<i>notata</i> Say.	N. York, South Carolina.
5	<i>Cardium Isocardia</i> Lam.	South Carolina (rare).
5	<i>muricatum</i> Lam. (var.)	South Carolina.
5	<i>maculatum</i> Dillw.	South Carolina.
5	<i>Mortoni</i> Conrad.	Massachusetts.
5	<i>Arca scapha</i> Lam.	South Carolina (rare).
5	<i>incongrua</i> Say.	South Carolina.
5	<i>pexata</i> Say.	South Carolina.
5	<i>ponderosa</i> Say.	South Carolina.
5	<i>transversa</i> Say.	South Carolina.
5	<i>Campechensis</i> Dillw.	South Carolina.
5	<i>Unio alatus</i> Lam.	Ohio river.
	<i>Symphinota alata</i> Lea.	
5	<i>angustatus</i> Lea.	Cooper river, S. C.
5	<i>asperimus</i> Lea.	Ohio river.
5	<i>caecopus</i> Greene.	Ohio river.
5	<i>cariosus</i> Say.	Ohio river.
5	<i>circulus</i> Lea.	Ohio river.
	<i>U. rotundatus</i> Lam.	
6	<i>complanatus</i> Soland.	South Carolina.
	<i>U. purpureus</i> Say.	
	<i>carenifera</i> Lam. (var.)	
6	<i>congareus</i> Lea.	Congaree river, S. C.

Page.	Name.	Locality.
6	Unio cornutus Barnes.	Ohio river.
	<i>U. reflexus</i> Raf.	
6	cuneatus Barnes.	Ohio river.
	<i>U. niger</i> Raf.	
6	cylindricus Say.	Ohio river.
	<i>U. naviformis</i> Lam.	
6	decisus Lea.	Alabama river.
6	elipsalis Lea.	Ohio river.
6	foliatus Hildreth.	Ohio river.
6	formosus Lea.	Ohio and Niagara rivers.
	<i>U. cuneatus</i> Swainson.	
6	gibbosus Barnes.	Ohio river.
6	irroratus Lea.	Ohio river.
6	lacrymosus Lea.	Ohio river.
	<i>U. quadrulus</i> Say.	
6	lens Lea.	Ohio river.
6	metanever Raf.	Ohio.
6	multiplicatus Lea.	Ohio.
6	mytiloides Raf.	Ohio.
6	nasutus Say.	S. Carolina, Massachu'ts.
	<i>U. rostrata</i> Valenc.	
6	ochraceus Say.	Schuylkill river.
6	ovatus Say Lam. 23	
6	perplexus Lea.	Ohio river.
6	pillicatus Lesueur.	Ohio river.
	<i>U. crassidens</i> Lam.	
	<i>peruvianus</i> Lam.	
	<i>rariPLICATA</i> Lam.	
6	pustulatus Lea.	Ohio.
6	pustulosus Lea.	Ohio.
6	pyramidatus Lea.	Ohio.
	<i>U. undatus</i> Barnes.	
6	rectus Lam.	Ohio.
6	radiatus Gmel.	Pennsylvania, S. Carol'a.
	<i>U. radiata</i> Lam.	
	<i>virginiana</i> Lam.	
6	securis Lea.	Ohio.
	<i>U. depressa</i> Raf.	
6	siliquoides Barnes.	Ohio.
6	scalenius Raf.	Ohio.
6	subovatus Lea.	Ohio.
6	subtentus Say.	Virginia.
6	sulcatus Lea.	
7	tseneatus (new?)	Cooper river, S. C.
7	tenerus (new?)	Cooper river, S. C.

Page.	Name.	Locality.
7	<i>Unio torsus</i> Raf.	Ohio.
7	<i>triangularis</i> Barnes.	Ohio.
7	<i>tuberculatus</i> Barnes.	Ohio.
7	<i>verrucosus</i> Barnes.	Ohio.
7	<i>zigzag</i> Lea.	Ohio.
7	<i>Alasmodonta arcuata</i> Say.	Maine, New Jersey.
7	<i>coarctata</i> (new?)	Riv's in upper part S. C.
7	<i>complanata</i> Say.	Ohio.
	<i>Symphinota complanata</i> Lea.	
7	<i>marginata</i> .	Mass., Niagara river.
7	<i>undulata</i> .	New Jersey.
7	<i>rugosa</i> Barnes.	Tennessee.
7	<i>Anodonta cataracta</i> Lam.	Maine, South Carolina.
7	<i>Chama arcinella</i> Lam.	South Carolina.
7	<i>Modiola papuana</i> Lam.	Maine.
7	<i>tulipa</i> Lam.	East Florida.
7	<i>lithophaga</i> Lam. (rare.)	East Florida.
7	<i>Mytilus borealis</i> Lam.	New York.
7	<i>demissus</i> Say.	South Carolina.
7	<i>leucopheus</i> Conrad.	South Carolina.
7	<i>Pinna seminuda</i> ? Lam.	South Carolina.
7	<i>muricata</i> ? Lam.	South Carolina.
	<i>P. rigida</i> Wood.	
8	<i>Avicula macroptera</i> ? Lam.	South Carolina.
8	<i>Lima squamosa</i> Lam.	East Florida.
8	<i>glacialis</i> Lam.	East Florida.
8	<i>Pecten Magellanicus</i> Lam.	Maine.
8	<i>Islandicus</i> Lam.	Newfoundland.
	<i>P. Peleii</i> Conrad.	
8	<i>concentricus</i> Say.	Massachusetts.
8	<i>dislocatus</i> Say.	East Florida.
8	<i>Plicatula cristata</i> Lam.	South Carolina.
8	<i>Ostrea Virginica</i> Lam.	South Carolina.
8	<i>equestris</i> Say (new).	South Carolina.
8	<i>fundata</i> Say (new).	South Carolina.
8	<i>Anomia ephippium</i> Lam.	South Carolina.
8	<i>Chiton apiculatus</i> Say (new).	South Carolina.
9	<i>Fissurella alternata</i> Say.	South Carolina.
9	<i>Crepidula fornicata</i> Lam.	South Carolina.
9	<i>aculeata</i> Lam.	South Carolina.
9	<i>convexa</i> Say.	South Carolina.
9	<i>plana</i> Say.	South Carolina.
9	<i>Bulla solitaria</i> Say.	South Carolina.
9	<i>Helix aspersa</i> Lam.	South Carolina.
9	<i>albolabris</i> Say.	S. Carolina, Penn'a.

Page.	Name.	Locality.
9	<i>Helix thyroideus</i> Say.	South Carolina.
9	<i>ligera</i> .	Pennsylvania.
9	<i>inornatus</i> Say.	South Carolina.
9	<i>perspectiva</i> .	Pennsylvania.
9	<i>tridentata</i> Say.	Pennsylvania.
	<i>H. trid.</i> var. <i>epliabus</i> Say.	South Carolina.
9	<i>avara</i> Say.	South Carolina.
9	<i>appressa</i> Say.	Pennsylvania.
9	<i>hirsuta</i> .	Pennsylvania.
9	<i>suppressa</i> Say.	South Carolina.
9	<i>gularis</i> .	Pennsylvania.
9	<i>glaphyra</i> .	Pennsylvania.
9	<i>fuliginosus</i> .	Pennsylvania.
10	<i>profunda</i> Say.	Pennsylvania.
10	<i>concoava</i> .	Pennsylvania.
10	<i>Pennsylvanica</i> .	Pennsylvania.
10	<i>solitaria</i> .	Ohio.
10	<i>alternata</i> Say.	North Carolina.
10	<i>Bulimus undatus</i> Lam. (var.)	East Florida.
10	<i>mutilatus</i> Say.	South Carolina.
10	<i>Achatina glans</i> Lam.	South Carolina.
10	<i>Succinea ovalis</i> Say.	Pennsylvania.
10	<i>obliqua</i> .	Pennsylvania.
11	<i>Planorbis trivolvis</i> Say.	Delaware.
11	<i>lentus</i> Say.	South Carolina.
11	<i>complanatus</i> .	Western lakes.
11	<i>Physa heterostrophæ</i> .	Lehigh river, Penn'a.
11	<i>gyrina</i> Say.	South Carolina.
11	<i>Lymnæa catascopium</i> .	Delaware.
11	<i>merostoma</i> .	Near Philadelphia.
11	<i>columella</i> .	Pennsylvania.
11	<i>emarginata</i> .	Maine.
11	<i>Melania subularis</i> Lea.	Niagara river.
11	<i>virginea</i> .	Schuylkill.
11	<i>dissimilis</i> .	Susquehanna.
11	<i>canaliculata</i> Say.	Ohio.
11	<i>carinata</i> (new?)	Yadkin river, N. C.
11	<i>costata</i> (new?)	Dan river, Virginia.
11	<i>dislocata</i> (new?)	Dan river, Virginia.
11	(<i>Anculosa</i>) <i>procerosa</i> Say.	Ohio.
11	(<i>A.</i>) <i>subcarinata</i> .	Susquehanna.
11	<i>conica</i> Say.	Ohio.
11	<i>Jo fusiformis</i> Lea.	Virginia.
	<i>Fusus fluviatilis</i> .	
11	<i>Pyrena scalariformis</i> Say.	East Florida.

Page.	Name.	Locality.
11	Valvata tricarinata.	New York canal.
11	Paludina vivipara?	St. John's riv E. Florida.
12	<i>decisa</i> Say.	Maine, South Carolina.
12	<i>subcarinata.</i>	Schuykill.
12	<i>ponderosa</i> Say.	Ohio.
12	<i>maxima</i> (new?)	French Broad river.
12	<i>intertexta</i> Say.	So. Carolina very rare).
12	<i>rudis</i> (new?)	Dan river, Virginia.
12	<i>nitida</i> (new?)	Dan river, Virginia.
12	<i>altalis</i> (new?)	Santee canal.
12	Nerita peloronta Lam.	East Florida.
12	Natica heros Say.	Massachusetts.
12	<i>duplicata</i> Say.	South Carolina.
12	Sigaretus perspectivus Say.	South Carolina.
13	Tornatella bidentata Say.	South Carolina.
13	Scalaria clathrus Say (var. b).	South Carolina.
	<i>angulata</i> Say (var.)	
13	<i>lineata</i> Say.	South Carolina.
13	<i>multistriata</i> Say.	South Carolina.
13	Turbo littoreus Lam.	United States.
14	Phasianella sulcata Lam.	South Carolina.
14	<i>angulifera</i> Lam.	East Florida.
14	Cerithium dislocatum Say.	South Carolina.
14	<i>conceavum?</i> Say.	South Carolina.
14	<i>spiratum</i> (new?)	South Carolina.
14	Cancellaria reticulata Lam.	South Carolina.
14	Fasciolaria tulipa Lam.	South Carolina.
14	<i>distans</i> Lam.	South Carolina.
14	<i>trapezium</i> Lam.	South Carolina.
14	Fusus islandicus Lam.	Maine.
14	<i>corona</i> Lam.	East Florida.
14	<i>cinereus</i> Say.	South Carolina.
14	<i>decemcostatus.</i>	Maine.
14	Pyrula canaliculata Lam.	South Carolina.
14	<i>carica</i> Lam.	South Carolina.
14	<i>perversa.</i>	South Carolina.
15	<i>reticulata?</i> Lam.	East Florida.
15	(<i>Fulgur pyruloides</i>) Say.	South Carolina.
15	Ranella caudata Say.	South Carolina.
15	Murex asperimus? Lam.	South Carolina.
15	Strombus accipitrinus Lam. (var?)	East Florida.
15	<i>pyrulatus</i> Lam.	Key West.
16	Purpura lapillus Lam.	Maine.
16	Dolium galea Lam. (var.)	South Carolina.
17	Buccinum undatum (var.)	Maine.

Page.	Name.	Locality.
17	<i>Nassa trivittata</i> Say.	South Carolina.
17	<i>obsoleta</i> Say.	South Carolina.
17	<i>vibex</i> Say.	South Carolina.
17	<i>Colombella avara</i> Say.	South Carolina.
18	<i>Volvaria canaliculata</i> Say.	South Carolina.
18	<i>Ovula gibbosa</i> Lam.	East Florida.
18	<i>acicularis</i> Lam.	South Carolina.
18	<i>Cypræa cervina</i> Lam.	East Florida.
19	<i>Oliva sayana</i> .	South Carolina.
	<i>O. litterata</i> Say.	
19	<i>Zonaxis</i> Wood.	Mexico.
19	<i>tenebrosa</i> Wood.	Mexico.
19	<i>mutica</i> Say.	South Carolina, Cuba.
19	<i>Conus mus</i> Lam.	East Florida.
19	<i>Spirula Peronii</i> Lam.	South Carolina.
20	<i>Argonauta argo</i> Lam.	East Florida.

Kirtland.—Observations on the Sexual Characters of the Animals belonging to Lamark's Family of Naiades: by JARED P. KIRTLAND, M. D. (In American Journal of Science, vol. xxvi, No. 1, O. S., pp. 117–120; with outline figures. Date of title-page, July, 1834.)

Page.

- 119 *Unio formus* Lea, is male of *Unio triangularis* Barnes.
ridibundus Say, is female of *U. sulcatus* Lea.

Outline figures are given of male and female of

<i>Unio ventricosus.</i>	<i>Unio ochraceus.</i>
<i>nasutus.</i>	<i>siliquoideus.</i>
<i>rectus.</i>	

Totten.—Description of some new Shells belonging to the coast of New England: by JOS. G. TOTTEN. (In American Journal of Science, vol. xxvi, No. 2, O. S.; one plate. Date of title-page, July, 1834.)

Page.	Fig.	Name.	Locality.
366	1, h, i	<i>Solemya borealis</i> Totten.	Rhode Island.
366	1, k	<i>velum</i> Say	
367	2	<i>Venus gemma</i> Totten.	Provincetown, Newport.
367	3	<i>Modiola glandula</i> Totten.	Provincetown.
368	4	<i>Actæon trifidus</i> Totten.	Rhode Island.

Page.	Fig.		
368	5	<i>Turbo inflatus</i> Totten.	Plymouth.
369	6	<i>minutus</i> Totten.	Mass., Rhode Island.
369	7	<i>Pasithea nigra</i> Totten.	Rhode Island.

Rogers.—Analysis of Shells (recent Oyster): by WILLIAM B. ROGERS, Prof. of Chem. and Nat. Phil. in William and Mary College, Va. [From same as last, p. 361.]

Conrad.—Description of some New Species of Fresh-water Shells from Alabama, Tennessee, &c.: by TIMOTHY A. CONRAD, Member of the Acad. Nat. Sci. of Philadelphia. (Am. Journ. Sci. and Art. vol. xxv, No. 2, O. S. Date of title, Jan. 1834.)

Page.	Pl.	Fig.	Name.	Locality.
338	i	2	<i>Unio ocelatus</i> Conrad.	Elk & Flint rivs., Tenn.
338	i	3	<i>perovatus</i> Conrad.	Prairie creek, Marengo Co., Ala.
339	i	4	<i>lenosus</i> Conrad.	South Alabama.
339			<i>rubiginosus</i> Lea (no des.)	South Alabama.
339	i	6	<i>stramineus</i> Conrad.	South Alabama.
340	i	8	<i>arcus</i> Conrad.	Alabama river.
340	i	9	<i>arctatus</i> Conrad.	Bl. Warrior & Ala. rivs.
341	i	10	<i>Alasmodonta radiata</i> Conrad.	South Alabama.
341	i	12	<i>Anodonta subvexa</i> Conrad.	Black Warrior river.
341	i	11	<i>declivis</i> Conrad.	Flint river, Morgan Co. Ala.
342	i	5	<i>Cycas staminea</i> Conrad.	South Alabama.
342	i	13	<i>Melania olivula</i> Conrad.	Alabama river.
342	i	14	<i>prasinata</i> Conrad.	Alabama river.
342	i	15	<i>Anculosa picta</i> Conrad.	Alabama river.
343	i	3	<i>Unio subtentus</i> Say var.	Tennessee and Elk rivs.
343	i	7	<i>mytilloides</i> Raf.	Alabama river.
343			<i>Planorbis antrosus</i> Conrad.	Randon's creek, Claiborne, Ala.
343			<i>Melania congesta</i> Conrad.	Randon's creek, do.
343			<i>Physa pomilia</i> Conrad.	Randon's creek, do.

Conrad.—New Fresh-water Shells of the United States, with colored illustrations, and a Monograph of the genus *Anculotus* of Say; also, a Synopsis of the American *Naiades*: by T. A. CONRAD, Memb. Acad. Nat. Sci. Philadelphia. Philadelphia, 1834.

In the Introduction are remarks on the following species, their synonymy, geographical distribution, &c. :—

Page.		Page.	
7	<i>Unio cardium.</i>	12	<i>Anculotus tæniatus.</i>
7	<i>inflatus.</i>	14	<i>Unio deciusus.</i>
7	<i>alatus.</i>	14	<i>trapezoides.</i>
7	<i>cariosus.</i>	14	<i>Alabamensis.</i>
7	<i>Alasmodonta marginata.</i>	14	<i>arotatus.</i>
8	<i>Unio purpureus.</i>	15	<i>Rangia cyrenoides.</i>
8	<i>declivis.</i>	17	<i>Unio rectus.</i>
8	<i>parvus.</i>	17	<i>acutissimus.</i>
9	<i>ater.</i>	17	<i>teres.</i>
9	<i>torsus.</i>	17	<i>plicatus.</i>
9	<i>nasutus.</i>	17	<i>reflexus.</i>
10	<i>reflexus.</i>	17	<i>verrucosus.</i>
10	<i>cornutus.</i>	17	<i>undatus.</i>
10	<i>verrucosus.</i>	17	<i>interruptus.</i>
10	<i>tuberculatus.</i>	17	<i>stapes.</i>
10	<i>declivis.</i>	17	<i>arous.</i>
10	<i>flavus.</i>	17	<i>acutissimus.</i>
10	<i>rubiginosus.</i>	17	<i>deciusus.</i>
10	<i>stramineus.</i>	17	<i>scalenius.</i>
10	<i>perovatus.</i>	17	<i>Alabamensis.</i>
11	<i>flavus.</i>	18	<i>asper.</i>
11	<i>teres.</i>	18	<i>apiculatus.</i>
11	<i>cariosus.</i>	18	<i>arctatus.</i>
12	<i>anodontoides.</i>	18	<i>glans.</i>
12	<i>fragilis.</i>	18	<i>tæniatus.</i>
12	<i>gracilis.</i>	18	<i>maculatus.</i>
12	<i>Fusus fluviatilis.</i>	18	<i>subtentus.</i>
12	<i>Io fusiformis.</i>	18	<i>ocelatus.</i>
12	<i>Paludina ponderosa.</i>	18	<i>trabalis.</i>
12	<i>Unio niger.</i>	18	<i>alatus.</i>
12	<i>reflexus.</i>	18	<i>Anodonta declivis.</i>
12	<i>triangularis.</i>	22	<i>Valvata arenifera.</i>
12	<i>Anculotus pictus.</i>		

Page.	Pl.	Fig.	Name.	Locality.
25	i		<i>Unio Poulsoni Conrad.</i>	Black Warrior riv., Ala.
26	iv	2	<i>tæniatus Conrad.</i>	Flint river, Morgan Co.
27	iii	5	<i>trabalis Conrad.</i>	[Ala.]
28	iii	7	<i>nebulosus Conrad.</i>	Black Warrior riv., Ala.
29	iii	3	<i>cor Conrad.</i>	Elk & Flint rivs., Ala.
29	iii	4	<i>cælatus Conrad.</i>	Tenn., Elk & Flint rivs.
30	iv	4	<i>maculatus Conrad.</i>	Tenn., Elk & Flint rivs.
31	iv	3	<i>vibex Conrad.</i>	Black Warrior riv., Ala.

Page.	Pl.	Fig.	Name.	Locality.
32	iv	1	<i>Greenii</i> Conrad.	Black Warrior riv., Ala.
33	v	1	<i>penitus</i> Conrad.	Alabama river.
34	v	2	<i>Masoni</i> Conrad.	Savannah river.
35	v	3	<i>delumbis</i> Conrad.	Cooper river, S. C.
36	v	4	<i>arctatus</i> Conrad.	Alabama & Black Warrior river.
37	vi	1	<i>pectorosus</i> Conrad.	Elk river.
38	vi	2	<i>rubellus</i> Conrad.	Black Warrior river.
39	vi	3	<i>furvus</i> Conrad.	Black Warrior river.
39	vi	4	<i>Raveneli</i> Conrad.	Cooper river & Wateree Canal, S. C.
41	vi	5	<i>loterinus</i> Conrad.	Savannah river.
42	vii	1	<i>tenebrosus</i> Conrad.	Rappahannock, Va., & South Carolina.
43	ii	1	<i>altilis</i> Conrad.	Alabama.
43	ii	2	<i>perovallis</i> Conrad.	Alabama river.
44	iii	1	<i>prasinus</i> Conrad.	Fox River.
45	iii	2	<i>infucatus</i> Conrad.	Flint River.
46	iii	6	<i>oviformis</i> Conrad.	Tennessee.
47	ii	3	<i>perovatus</i> Conrad.	Greene Co., Ala.
47	vii	2	<i>Anodonta teres</i> Conrad.	Santee Canal, S. C.
48	viii	3	<i>Paludina genicula</i> Conrad.	Flint river, Ga.
48	viii	4	<i>magnifica</i> Conrad.	Ala. river (Claiborne).
49	iv	6	<i>Melania excurata</i> Conrad.	Tenn. riv. at Florence.
50	viii	1	<i>Hydell</i> Conrad.	Black Warrior riv., Ala.
51	viii	2	<i>annulifera</i> Conrad.	Black Warrior riv., Ala.
51	iv	5	<i>salebrosa</i> Conrad.	Tenn. & Holston rivers.
52	viii	5	<i>pyrenella</i> Conrad.	North Alabama.
52	viii	6	<i>bisæniata</i> Conrad.	Black Warrior river.
53	viii	7	<i>comma</i> Conrad.	Black Warrior river.
54	viii	8	<i>lima</i> Conrad.	Elk river, Ala.
54	iv	7	<i>alveare</i> Conrad.	Elk river, Ala.
55	viii	9	<i>nassula</i> Conrad.	Tusculumbia, Ala.
55	viii	10	<i>cylindræa</i> Conrad.	Tombeckbee river.
56	viii	11	<i>trochiformis</i> Conrad.	North Alabama.
57	viii	12	<i>vestita</i> Conrad.	Greene Co., Ala.
57			<i>Ancylus filosus</i> Conrad.	Black Warrior river.

The following are mentioned by name only:—

Page.	Name.	Locality.
31	<i>Unio undatus</i> Barnes.	Alabama.
39	<i>congaræus</i> Lea.	Savannah river.
40	<i>nasutus</i> .	Santee canal and Augusta.
40	<i>angustatus</i> Lea.	Santee canal and Augusta.
40	<i>ochraceus</i> Say?	Santee canal & Rappahannock.

Page.	Name.	Locality.
40	Unio congaræus Lea.	Santee canal.
40	delumbis Conr.	Santee canal.
40	purpureus var. ?	Santee canal.
43	cariosus Say.	Rappahannock.

ANCULOTUS.

Page.	Pl.	Fig.	Name.	Locality.
59	viii	13	Anculotus prærorsus Say.	Ohio and Tenn. rivers.
60	viii	14	subglobosus Say.	Holston and Tenn. rivs.
60	viii	15	angulatus Conrad.	Flint river, Morgan Co. Ala.
61	viii	18	plicatus Conrad.	Tenn. river in Ala.
61	viii	16	monodontoides Conrad.	Virginia.
62			pictus Conrad.	Alabama river.
62			pumilus Conrad.	Black Warrior riv. and Bayou Teche.
63			tæniatus Conrad.	Claiborne, Ala.
64	viii	19	melanoides Conrad.	North Alabama
64	viii	17	nigrescens Conrad.	Maryland.

SYNOPSIS OF NAIADES.

Page.		Page.	
67	Unio abruptus Say.	68	Unio capax Green.
	<i>U. cyclips</i> Raf.	68	cælatius Conr.
	<i>calendis</i> Raf.	68	camptodon Say.
67	arctatus Conr.	68	cylindricus Say.
67	arcus Conr.		<i>U. nariformis</i> Lam.
67	apiculatus Say.		<i>solenoides</i> Raf.
67	asper Lea.	68	cor Conr.
67	acutissimus Lea.	68	congaræus Lea.
67	angustatus Lea.	68	cyphia Raf.
67	ater Lea.		<i>U. Æsopus</i> Green.
	<i>U. lugubris</i> Say.		<i>cicatricosus</i> Say.
67	alatus Say.		<i>varicosus</i> Lea.
	<i>U. megaptera</i> Raf.	68	costatus Raf.
	<i>Symphynota alata</i> Lea.		<i>U. undulatus</i> Barnes.
67	Alabamensis Conr.	68	castaneus Lea.
	<i>Symphynota inflata</i> Lea.	68	cariosus Say.
68	altilis Conr.		<i>U. crassus</i> Say.
68	bullatus .		<i>luteola</i> Lam.
	<i>U. pustulosus</i> Lea.		<i>cariosa</i> Lam.
	<i>nodulosa</i> Wood.		<i>ellipticus</i> ? Barnes.
68	cardium Raf.	68	compressus .
	<i>U. ventricosus</i> Barnes.		<i>Symphy. compressa</i> Lea.
	<i>occidens</i> Lea.	68	cordatus Raf.
	<i>suboratus</i> Lea.		<i>U. obovata</i> Raf.

Page.		Page.	
68	Unio declivis Say.	70	Unio lapillus Say.
68	decisus Lea.		<i>U. fubalis</i> Lea.
68	dilatatus Raf.	70	leptodon Raf.
	<i>U. cuprea</i> Raf. (young).		<i>Symphy. tenuissima</i> Lea.
	<i>atroviolacea</i> Raf.		<i>An. purpurascens</i> Swains.
	<i>gibbosus</i> Barnes.	70	lævigatus Raf.
69	delumbis Conr.		<i>U. lens</i> Lea.
69	ebenus Lea.	70	lanceolatus Lea.
69	fragilis Raf.	70	lævissimus .
	<i>U. gracilis</i> Barnes.		<i>Anodonta Ohiensis</i> Raf.
	<i>Symphynota gracilis</i> Lea.		<i>Symphy. lævissima</i> Lea.
	<i>S. fragilis</i> Swainson.	70	latus .
69	flavus Raf.		<i>Anodonta lata</i> Raf.
	<i>U. rubiginosus</i> Lea.		<i>U. dehiscens</i> Say.
69	fasciolaris Raf.		<i>oriens</i> Lea.
	<i>U. sinuatus</i> Raf. (very old)	70	monodonta Say.
	<i>phaseolus</i> Hildreth.		<i>U. soleniformis</i> Lea.
	<i>mucronatus</i> Barnes	70	multiradiatus Lea.
	<i>planulatus</i> Lea.	70	metanever Raf.
	<i>bicolor?</i> Raf.		<i>U. nodosus</i> Barnes.
69	flexuosus Raf.	70	metallicus Say.
69	foliatus Hildreth.		<i>U. euprinus</i> Lea.
69	fasciatus Raf.	70	Masoni Conr.
	<i>U. carinatus</i> Barnes.	70	maculatus Conr.
69	furvus Conr.	70	nervosa Raf.
69	glans Lea.		<i>U. zig-zag?</i> Lea.
69	glebulus Say.	70	nasutus Say.
69	Greenii Conr.		<i>U. rostratus</i> Val.
69	heterodon Lea.	70	niger Raf.
69	heros Say.		<i>U. cuneatus</i> Barnes.
	<i>U. multiplicatus</i> Lea.	70	nodulatus Raf.
69	interruptus Raf.		<i>U. pustulatus</i> Lea.
	<i>U. brevidens</i> Lea.		<i>verrucosus</i> Val.
69	icterinus Conr.	70	nexus Say.
69	iris Lea.		<i>U. arcuformis</i> Lea.
69	inflatus Barnes.	70	nebulosus Conr.
	<i>U. siliquoides</i> Barnes.	70	ovatus Say.
	<i>vittatus?</i> Raf.		<i>U. ovata</i> Raf.
70	infucatus Conr.	70	obesus Lea.
70	lentosus Conr.	70	olivarius Raf.
70	lineolatus Raf.		<i>U. ellipsis</i> Lea.
	<i>U. depressa</i> Raf.	70	ochraceus Say.
	<i>ellipsaria</i> Raf.	70	obliquatus Raf.
	<i>securis</i> Lea.		<i>U. sulcatus</i> Lea.

- | Page. | | Page. | |
|-------|------------------------------|-------|---------------------------------|
| 70 | Unio oviformis Conr. | 71 | Unio scalenius Raf. |
| 70 | penitus Conr. | | <i>U. cuneata</i> Raf. |
| 70 | parvus Barnes. | | <i>patulus</i> Lea. |
| 71 | plicatus Say. | 72 | subrostratus Say. |
| | <i>U. peruvianus</i> Lam. | 72 | tæniatus Conr. |
| 71 | Poulsoni Conr. | 72 | torsus Raf. |
| 71 | pileus Lea. | 72 | trapezoides Lea. |
| 71 | perovalis Conr. | | <i>U. interruptus</i> Say. |
| 71 | purpureus Say. | 72 | teres Raf. |
| | <i>U. purpurascens</i> Lam. | | <i>U. anolontoides</i> Lea. |
| | <i>coarctata</i> Lam. | 72 | triqueter Raf. |
| | <i>carinifera</i> Lam. | | <i>U. triangularis</i> Barnes. |
| | <i>complanatus</i> Lea. | | <i>formosus</i> Lea. |
| | <i>aurata</i> Raf. | | <i>cuneatus</i> Swainson. |
| 71 | pectorosus Conr. | 72 | truncatus Raf. |
| 71 | planus Barnes. | | <i>U. dunaciformis</i> Lea. |
| 71 | personatus Say. | | <i>elegans</i> Lea. |
| | <i>U. subrotundus</i> Say. | 72 | tuberculatus Raf. |
| 71 | prasinus Conr. | | <i>U. verrucosus</i> Barnes. |
| 71 | quadrulus Raf. | | <i>tuberculatus</i> Val. |
| | <i>U. rugosus</i> Barnes. | 72 | triangularis Raf. |
| | <i>lachrymosus</i> Lea. | | <i>U. lateralis</i> Raf. |
| | <i>asperrimus</i> Lea. | | <i>sintoxia</i> Raf. |
| 71 | rectus Lam. | | <i>pachostea</i> Raf. |
| | <i>U. latissima</i> Raf. | | <i>mytiloides</i> Raf. |
| | <i>prælongus</i> Barnes. | | <i>rubra</i> Raf. |
| 71 | rubellus Conr. | | <i>pyramidatus</i> Lea. |
| 71 | Ravenelli Conr. | 72 | torulosus Raf. |
| 71 | reflexus Raf. | | <i>U. gibbosa</i> Raf. |
| | <i>U. cornutus</i> Barnes. | | <i>perplexus</i> Lea. |
| 71 | radiatus Lam. | 72 | tenebrosus Conr. |
| | <i>Mya radiata</i> Gmel. | 72 | trabalis Conr. |
| | <i>U. Virginiana</i> Lam. | 72 | undatus Barnes. |
| 71 | ridibundus Say. | | <i>U. trigonus</i> Lea. |
| 71 | retusus Raf. | 72 | verrucosus Raf. |
| 71 | stapes Lea. | | <i>U. tuberculatus</i> Barnes. |
| 71 | stramineus Conr. | 72 | vibex Conr. |
| 71 | subtentus Say. | 72 | velum Say. |
| 71 | stegarius Raf. | 72 | viridis Raf. |
| | <i>U. irroratus</i> Lea. | | |
| 71 | subrotundus Raf. | 72 | Alasmodonta costata Raf. |
| | <i>U. pusilla</i> Raf. | | <i>Alus. rugosa</i> Barnes. |
| | <i>striata</i> Raf. | 72 | complanata Barnes. |
| | <i>circulus</i> Lea. | | <i>Symphy. complanata</i> Lea. |
| | <i>orbiculatus</i> Hildreth. | 72 | confragosa Say. |

Page.		Page.	
71	Alasmodonta edentula Say.	73	Anodonta cataracta Say.
72	marginata Say.		<i>An. marginata</i> Say.
	<i>Alas. scriptum</i> Raf.	73	declivis Conr.
72	margaritifera .	73	grandis Say.
	<i>Unio margaritifera</i> Lam.	73	implicata Say.
	<i>Alas. arcuata</i> Barnes.	73	imbecilis Say.
73	radiata Conr.	73	inflata Say.
73	sculptilis Say.	73	lugubris Say.
73	truncata Say.	73	subvexa Conr.
	<i>Unio calceolus</i> Lea.	73	suborbiculata Say.
73	undulata Say.	73	undulata Say.
			<i>An. rugosa</i> Swainson.
73	Unio declivis Say, quoted from Florida, is said to be another species.		

(Appendix to same.)

Page.	Pl.	Fig.	Name.	Locality
4	ix	1	Unio viridis Raf. [subviridis Conr.]	Penn., Kentucky river.
5	ix	2	complanatus var. subinflatus .	South Carolina.
5	ix	3	Melania formosa Conrad.	North Alabama.
6	ix	4	Melania bella Conrad.	North Alabama.
6	ix	5	dilatata Conrad.	Monroe Co., Va.
7	ix	6	semicostata Conrad.	North Alabama.
7	ix	7	Rogersii Conrad.	
8	ix	8	Planorbis engonatus Conrad.	Albany.

Additions to Synopsis.

Page.		Page.	
1	Anodonta cataracta Say.	1	Anodonta marginata Say.
	<i>Mytilus fluviatilis</i> Gmel.		<i>Anod. pennsylvanica</i> Lam.
	<i>Anod. fluviatilis</i> Bosc.	1	radiata Conr.
	<i>Mytilus illitus</i> Soland.		<i>Alas. radiata</i> Conr.
1	edentula Ferrussac.	2	Alasmodonta calceolus .
	<i>Alas. edentula</i> Say.		<i>Unio calceolus</i> Lea.
	<i>Anod. Ferrussaciana</i> Lea.		<i>Alas. marginata</i> Say.
1	grandis Say.	2	marginata Say.
	<i>Anod. declivis</i> Conr.		
	<i>plana</i> Lea.	2	Unio acutissimus Lea.
1	imbecilis Say.		<i>U. Conradicus</i> Lea.
	<i>Symphynota incerta</i> Lea.	2	apiculatus Say.
	<i>Anod. incerta</i> Fer.		<i>U. asper</i> Lea.
1	lata Raf., Fer.	2	Carolinianus Bosc., Fer.
	<i>Unio dehiscens</i> Say.		<i>U. obesus</i> Lea.
	<i>oriens</i> Lea.	2	capax Green.
	<i>lutus</i> Conr.		<i>Symphynota globosa</i> Lea.
	<i>Odatelia radiata</i> Raf.		

Page.		Page.	
2	Unio clava Lam., Fer. <i>U. scalenius</i> Raf. <i>modioliformis</i> Say.	2	Unio pachostea Raf., Fer. <i>U. Cooperianus</i> Lea.
2	complanatus Sol., Lea, <i>U. purpureus</i> Say. [Fer.	3	pectorosus Conr. <i>U. perdix</i> Lea.
2	cordatus Raf. <i>U. undatus</i> Barnes. <i>trigonus</i> Lea.	3	personatus Say. <i>U. capillaris</i> Lea.
2	decisus Lea. var. <i>Taitianus</i> Lea.	3	purpuratus Lam. <i>U. ventricosus</i> Soland. <i>ater</i> Lea. <i>lugubris</i> Say.
2	declivis Say. <i>U. geometricus</i> Lea.	3	trabalis Conr. <i>U. Troostensis</i> Lea.
2	delumbis Conr. <i>U. modioliformis</i> Lea.	3	ruber Raf. <i>U. pyramidatus</i> Lea.
2	donaciformis Lea.	3	Ravenell Conr. <i>U. confertus</i> Lea. <i>fulvus?</i> Lea (young).
2	ligamentina Lam., Fer. <i>U. ellipsaria</i> Raf.	3	retusus Lam., Lea. <i>U. torsus</i> Raf.
2	lienosus Conr. <i>U. Nashvillianus</i> Lea.	3	suborbiculatus Lam., Lea. <i>U. rotundatus</i> Lam. <i>glebulus</i> Say. <i>subglobosus</i> Lea.
2	metanever Raf. <i>U. retusus</i> Raf. (very old).	3	subrostratus Say. <i>U. iris</i> Lea.
2	nodulatus Raf. <i>U. pustulatus</i> Lea. <i>prasinus</i> Conr. <i>Schoolcraftensis</i> Lea.	3	tetralasmus Say.
2	obliquus Lam. <i>U. obovalis</i> Raf. <i>ebenus</i> Lea.	3	truncatus Raf. <i>U. elegans</i> Lea

Conrad.—Monography of the Family Unionidæ, or Naiades of
Lamareck, of North America: by T. A. CONRAD, Memb. Phila.
Acad. Nat. Sci., Hon. Memb. Geol. Soc. Pa. Philadelphia.

No. I.—December, 1835.

Page.	Pl.	Fig.	Name.	Locality.
3	i		Unio fasciatus Raf. <i>U. carinatus</i> Barnes.	Scioto river.
4	ii		ovatus Say, var. ornatus .	South Alabama.
5	iii	1	clava Lam. <i>U. scalenius</i> Raf. <i>modioliformis</i> Say.	Western rivers.
6	iii	2	decisus Lea. <i>U. Taitianus</i> Lea.	Alabama.

Page. Pl.	Fig.	Name.	Locality.
7 iv	1	Unio reflexus Raf. <i>U. cornutus</i> Barnes.	Alabama, Indiana.
8 iv	2	flexuosus Raf. <i>U. foliatus</i> Hldr.	Western rivers.
9 v	1	Phillipsii Conr.	Wabash river.
10 v	2	metanevrus Raf. <i>U. nodosus</i> Barnes.	West. & South. rivs.
11 vi	1	Mortoni Conr.	Bayou Teche, La.
12 vi	2	fragosus Conr.	Scioto river.

No. II.—January, 1836.

17 vii		Unio costatus Raf. <i>U. undulatus</i> Barnes.	Ala., & Tenn. rivers.
19 viii		retusus Lam. <i>U. torsa</i> Raf.	Western rivers.
20 ix	1	parvus Barnes.	West, N. W. Ter., La.
21 ix	2	glans Lea.	Ohio, Tenn., Ala.
22 x	1	siliquoideus Barnes. <i>U. inflatus</i> Barnes.	Western rivers.
24 x	2	radiatus Lam. <i>U. Virginiana</i> Lam. <i>oblongata</i> Wood. <i>Mya radiata</i> Spengl. Gmel.	Va., Wisc., N. Y.

No. III.—February, 1836.

25 xi	1	Unio pectorosus Conr. <i>U. perdix</i> Lea.	Tennessee, Alabama.
23 xi	2	fasciolus Raf. <i>U. multiradiatus</i> Lea.	
27 xii	1	congaræus Lea.	S. Carolina, Georgia.
28 xii	2	Masoni Conr.	Savannah, Georgia.
29 xiii	1	coccoineus Hildreth.	Mahoning riv. Pa.
30 xiii	2	catillus Conr.	Western rivers.
31 xiv	1	productus Conr.	Savannah river.
32 xiv	2	lanceolatus Lea.	N. Carolina, Virginia.

No. IV.—March, 1836.

33 xv		Unio rectus Lam. <i>U. latissima</i> Raf. <i>prælongus</i> Barn.	Western rivs., Ala.
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Page.	Pl.	Fig.	Name.	Locality.
34	xvi		Unio crassus Say.	Ohio, Indiana, Ill.
			<i>U. crassidens</i> var. c. Lam.	
			<i>ligamentina</i> Lam.	
			<i>ellipticus</i> Barnes.	
			<i>suborbiculatus</i> Hild.	
			<i>abruptus</i> Say.	
			<i>cyclops</i> Raf.	
35	xvii	1	viridis Raf.	Schuylkill riv., Pa., Ky.
37	xvii	2	ochraceus Say.	Pennsylvania, Va.
			<i>Symphonata ochracea</i> Lea.	
			var. a. <i>Mytilus fluviatilis</i> Gmel.	
33	xviii	1 ¹	nasutus Say.	Fla. to Eastern Sts.
			<i>U. rostrata</i> Val.	
39	xviii	2	loterinus Conr.	Savannah river.
40	xix		cariosus Say.	Virginia, Middle Sts.
			<i>U. luteola</i> Lam.	
			<i>ovatus</i> Val.	
No. V.—June, 1836.				
41	xx		Unio mytiloides Raf.	West. waters, Ala.
			<i>U. rubra</i> Raf.	
			<i>pyramidatus</i> Lea.	
			<i>cardiacea</i> Guérin.	
42	xxi		dilatatus Raf.	Ohio, Miss., Mo., and
			<i>U. nasutus</i> Lam.	Tenn. rivers, Va.,
			<i>gibbosus</i> Barnes.	N. C.
43	xxii		tuberculatus Raf.	Wisc., L. Erie, Tenn.
			<i>U. verrucosus</i> Barnes.	river.
			<i>tuberculosa</i> Val.	
45	xxiii	1	declivis Say = U. Sayanus	
			Ward of errata. (Wrapper	
			of No. xi. p. 4.)	Ala., La., Ohio.
			<i>U. geometricus</i> Lea.	
46	xxiii	2	Blandingianus Lea.	East Florida.
47	xxiv		personatus Say.	Wabash and Cumber-
			<i>U. capillaris</i> Lea.	land rivers.
48	xxv		cordatus Raf.	Ohio & Tenn. rivers.
			Anodonta virgata Conr. (p. 4 of	
			wrapper.)	Clarke Co., Ohio.
No. VI.—July, 1836				
49	xxvi		Unio niger Raf.	Alabama, Michigan.
			<i>U. crassidens</i> var. b. Lam.	
			<i>cuneatus</i> Barnes.	

¹ Plate xviii, Fig. 1, represents *U. Fishertanus* Lea, v. wrapper of No. XI, p. 4.

Page.	Pl.	Fig.	Name.	Locality.
50	xxvii	1	Unio gibbosus Raf. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea.	Wabash, Scioto, and Tenn. rivers.
51	xxvii	2	gibbosus var. perobliquus .	Wab'sh, Ind., Detroit.
52	xxviii		teres Raf. <i>U. anodontoides</i> Lea.	West. rivs., La., Ala.
53	xxix	1	Sageri Conr.	Detroit river.
54	xxix	2	lappillus Say. <i>U. fabalis</i> Lea.	Michigan, Ohio river.
55	xxx		fragilis Raf. <i>U. gracilis</i> Barnes. <i>Symphynota gracilis</i> Lea.	Fox and Detroit, Ala.
56	xxxi		alatus Say. <i>Metaptera megaptera</i> Raf. <i>Symp. alata</i> Lea.	Wisc., Mich., Ala., N. W. Terr., Fox riv.

No. VII.—December, 1836.

57	xxxii		Unio inflatus Lea. <i>Symphynota inflata</i> Lea. <i>U. Alabamensis</i> Conr.	Alabama.
58	xxxiii		leptodon Raf. <i>U. planus</i> Barnes. <i>Anodonta purpurescens</i> Sw. <i>Symphynota tenuissima</i> Lea.	Wisc., Ala., Scioto rivers.
60	xxxiv	1	ellipsiformis Conr.	Michigan.
60	xxxiv	2	henosus Conr. <i>U. Nashvillianus</i> Lea.	Greene Co., Alabama.
62	xxxv	1	stapes Lea.	Alabama.
63	xxxv	2	intermedius Conr.	Nolachucky riv., Ten.
64	xxxvi	1	occidentalis Conr.	Currant river, Ark.

No. VIII.—February, 1837.

65	xxxvi	2	Unio collinus Conr.	North river, Va.
66	xxxvii	1	Sowerbianus Lea. (<i>U. pilcus</i> Conr., note on p. 69, N. F. W. S.)	Cumberland river, Tenn., Elk riv., Ala.
67	xxxvii	2	politus Say. <i>U. subrotundus</i> Lea.	
68	xxxviii	1	nexus Say. <i>U. arcaformis</i> Lea.	Cumberland river, Tenn.
69	xxxviii	2	Greenii Conr.	Bl. Warrior riv., Ala.
70	xxxix		Shepardianus Lea.	Altamaha river, Ga.
71	xl	1	compressus Desh. <i>Symphynota depressa</i> Lea.	Ohio, New York.

Page	Pl.	Fig.	Name.	Locality.
72	xl	2	Unio capsæformis Lea. (On p. 4 of wrapper.) Anodonta carinifera Conr. Unio gibbosus var. perobliquus = U. perobliquus Conr.	Tennessee, Alabama. Below Louisville.

No. IX.—March, 1837.

73	xli	1	Unio subplanus Conr.	Lexington, Va.
74	xli	2	flavus Raf. <i>U. rubiginosus</i> Lea.	Alabama, Kentucky.
75	xlii		capax Green. <i>Symph. globosa</i> Lea.	Falls of St. Anthony, Bayou Teche, Ohio river.
76	xliii	1	rudis Conr. <i>U. Ravenelianus</i> Lea.	North Carolina, Ala.
77	xliii	2	obliquus Lam. <i>U. ebenus</i> Lea.	Ohio, Alabama.
78	xliv	1	apiculatus Say. <i>U. asper</i> Lea.	Alabama riv., Bayou Teche.
79	xliv	2	prasinus Conr. <i>U. Schoolcraftensis</i> Lea.	Scioto river, Indiana.
80	xlv	1	nodulatus Raf. <i>U. pustulatus</i> Lea. Anodonta carinifera Conr. (p. 4 of wrapper.)	Ohio river, &c. Below Louisville.

No. X.—May, 1838.

82	xlv	2	Unio bullatus Raf. <i>U. verrucosus albus</i> Hldr. <i>pustulosus</i> Lea.	Alabama.
83	xlvi	1	stegarius Raf. <i>U. irroratus</i> Lea.	Ohio, Indiana, Tenn.
84	xlvi	2	dromas Lea.	Tennessee, Alabama.
85	xlvi	1	subtentus Say.	Tenn., Alabama, Va.
86	xlvi	2	acutissimus Lea.	Alabama.
87	xlvi	3	Conradius Lea.	Alabama, Tennessee.
88	xlviii		interruptus Raf. <i>U. brevidens</i> Lea.	Alabama, Tennessee.
89	xlx	1, 2	plexus Conr.	Vera Cruz?
90	xlx	3	heterodon Lea.	Schuylkill river, &c.
91	xlx	4	lienosus Conr. var. constrictus = U. constrictus Conr. of err., p. 4 of wrapper, No. 11.	North river, Va.
91	1	1	stramineus Conr.	Greene Co., Ala.

Page.	Pl.	Fig.	Name.	Locality.
92	l	2	Unio patulus Lea.	Tenn., Kentucky.
93	ll	1	Hembell Conr.	New Orleans.

(End of Vol. I.)

No. XI.—November, 1838.

95	lii		Unio cerinus Conr.	Louisiana.
96	liii		latiradiatus Conr.	Tennessee.
			<i>U. interruptus</i> Lea.	
97	liv	1	subinflatus Conr.	Savannah river.
			<i>U. complanatus</i> var. <i>subinflatus</i> Conr.	
98	liv	2	angustatus Lea.	South Carolina.
99	liv	1	excultus Conr.	New Orleans.
100	liv	2	pullus Conr.	N. Carolina, S. Car.
101	lv	1	melinus Conr.	Salina Lake, N. Y.
102	lv	2	Sayanus Conr.	Greene Co., Ala.
			<i>U. Sayii</i> Ward.	
			<i>declivis</i> Conr.	

On page 4 of wrapper, descriptions of *Unio cuneus*, *metastriatus*, *lenis*, North Illinois, *planilateris*, *iridescens*, *saxeus*. Plate xviii, Fig. 1, is said to be *U. Fisherianus* Lea, and note on *Pleiodon* McMurtrii.

No. XII.—(No date.)

103	lvii	1	Unio planilateris Conr.	Virginia, N. Carolina.
104	lvii	2	metastriatus Conr.	Bl. Warrior riv., Ala.
105	lviii	1	cuneus Conr.	Little Red river, Ark.
106	lviii	2	lenis Conr.	White river, Ill.
107	lix		heros Say.	
			<i>U. undulatus</i> Say, not Barnes.	
			<i>multiplicatus</i> Lea.	
109	lx	1	saxeus Conr.	Claiborne, Ala.
109	lx	3	collinus Conr.	Columbia, S. C.
110	lx	2	trabalis Conr.	

No. XIII.—(No date.)

111	lxi		Unio tetralasmus Say.	Bayou St. John.
112	lxii		quadrulus Raf.	Ohio river, La., &c.
			<i>U. rugosus</i> Barnes.	
			<i>lachrymosus</i> Lea.	
			<i>asperrimus</i> Lea.	
113	lxiii		cyphus Raf.	Ohio, &c.
			<i>U. Æsopus</i> Green.	

Page.	Pl.	Fig.	Name.	Locality.
115	lxiv		Unio cicatricosus Say.	Ohio &c.
			<i>U. varicosus</i> Lea.	
115			<i>cardisce</i> Say = <i>cordata</i> .	
115			<i>incurvus</i> Say = <i>intorta</i> .	
116	lxv		<i>pilicatus</i> Say.	Ohio, Wisc.
			<i>U. variplicatus</i> Lam.	
117	lxvi		<i>cardium</i> Raf.	
			<i>U. ventricosus</i> Barnes.	
			<i>ovatus</i> var. b. Lam.	
			<i>occidens</i> Lea.	

(The work was here discontinued.—W. G. B.)

Conrad.—American Marine Conchology; or descriptions and colored figures of the Shells of the Atlantic Coast of North America: by TIMOTHY A. CONRAD, Member of the Academy of Natural Sciences of Philadelphia. Printed for the author: Philadelphia, 1831. 8vo. 17 colored plates.

Page.	Pl.	Fig.	Name.	Locality.
6	i	1	Pecten Magellanicus Lam.	Maine, Mass.
			<i>Ostræa magellanica</i> Gmelin.	
8	i	2, 3	<i>concentricus</i> Say.	New Jersey, Long Isl.
			<i>P. opercularis</i> D'Avila?	Sound.
10	ii	1	<i>purpuratus</i> Lam.	Florida, Panama, Chili.
			<i>P. dislocatus</i> Say.	
12	ii	2	Pealeii Conr.	Maine.
12	ii	3	<i>ornatus</i> Lam.	E. Florida, W. Indies.
			<i>Ostrea pellucens</i> Gmel.	
14	ii	4	<i>nodosus</i> Gmelin.	E. Florida, Africa, S.
				Amer., W. Indies.
16	iii	1	Lima glacialis Gmelin.	East Florida, Gulf of
			<i>Ostrea scabra</i> Dillwyn.	Mexico, W. Indies.
			<i>glacialis</i> Gmel.	
17	iii	2	<i>squamosa</i> Lamark.	East Florida, Gulf of
			<i>Ostrea lima</i> Linnæus.	Mexico, Ceylon, Eu-
				rope, &c.
19	iv	1	Solecortus fragilis Pulteney.	Rhode Isl., Southern
			<i>Solen antiquatus</i> Montagu.	coast, England.
			<i>fragilis</i> Pult.	
			<i>centralis</i> Say.	
			<i>Psammobia tæniata</i> Turton.	
21	iv	2	<i>costatus</i> Say.	Maine, R. I., N. J.
			<i>Solen costatus</i> Say.	

Page.	Pl.	Fig.	Name.	Locality.
22	iv	3	Solecortus Caribæus Blainville. <i>Solen caribæus</i> Lam. <i>Chama angustior</i> Lister.	N. J., Florida.
27	v	1	Solen ensis Linnæus. <i>S. curvus</i> Lister.	Whole coast.
28	v	2	viridis Say.	N. J., R. I., S'm coast.
30	vi	1	Nucula limatula Say. <i>N. lævis</i> Say?	R. Island, Virginia.
31	vi	2	proxima Say. <i>N. obliqua</i> Say?	R. I., Southern coast.
32	vi	3	acuta Say.	Fossil in Virginia.
34	vii	1	Sanguinolaria fusca Say. <i>Psammobia fusca</i> Say.	Ga., R. I., N. J., N. Y. Va.
35	vii	2	lusoria Say. <i>Psammobia lusoria</i> Say.	N. J., Southern coast.
37	vii	3	Petricola pholadiformis Lamark. <i>P. fornicata</i> Say.	Whole coast to Maine.
39	viii	1	Cardita borealis Conrad. <i>Venericardia borealis</i> ?	Massachusetts.
39	viii	2	incrassata Sowerby.	Florida, E. Indies.
42	ix	1	Mya arenaria Linnæus. <i>M. acuta</i> Say. <i>mercenaria</i> Say.	Whole coast, England, &c.
44	ix	2	Thracia declivis Pennant. <i>Mya declivis</i> Pennant. <i>Ligula pubescens</i> Montagu. <i>Mya convexa</i> Wood. <i>Anatina myalis</i> Lamark. <i>Thracia corpuloides</i> Blainv.?	Eastern States, Great Britain.
46	x	1	Lutraria canaliculata Say. <i>L. Campechensis</i> Wood.	Virginia to Florida, Gulf of Mexico.
47	x	2	lineata Say. <i>L. recurva</i> Wood.	N. Carolina to Florida.
49	xi	1	Pandora trilineata Say.	N. J., Southern coast.
51	xi	2	Lyonsia hyalina Conrad. <i>Mya hyalina</i> Conrad. <i>L. Norwegica</i> Auct.?	Long Island Sound, Rhode Island.
53	xi	3	Lepton fabagella Conrad.	Rhode Island.
55	xii		Artemis concentrica Gmelin. <i>Cytherea concentrica</i> Lamark. <i>Venus concentrica</i> Gmelin.	Virginia to Florida & Gulf of Mexico.
56			Rangia (Clathradon Gray MSS.)	
57	xiii		cyrenoides Conrad.	Alabama.
59	xiv	1	Maetra deaurata Turton. <i>M. arcata</i> Conrad.	New England.

Page.	Pl.	Fig.	Name.	Locality.
60	xiv	2	Macra tellinoides Conrad.	Whole coast.
61	xiv	3	fragilis Chemnitz. <i>M. oblonga</i> Say.	S. Carolina, Georgia.
62	xiv	4,5	lateralis Say.	Gulf of Mex. at Mobile.
63	xiv	6	nucleus Conrad.	New Jersey.
64	xiv	7	solidissima Chemnitz.	New Jersey.
	xv		<i>M. solida</i> var. b, Gmelin. <i>procera</i> Solander. <i>grandis</i> Solander. <i>gigantea</i> Lamark. <i>similis</i> Say.	
The smaller form, south of Virginia, if distinct, may be called <i>M. Raveneli</i> .				
66	xvi		Solemya velum Say. <i>S. borealis</i> Totten.	R. I., Mass., S. C.
68	xvii	1	Iphigenia lævigata Schumacher. <i>Donax lævigata</i> Gmelin. <i>Capsa lævigata</i> Lam.	Florida.
70	xvii	2	Capsa deflorata Linnaeus. <i>Venus deflorata</i> Linn. <i>Capsa rugosa</i> Bruguiere. <i>Sanguinolaria rugosa</i> Lamark. <i>Capsula rugosa</i> Schumacher. <i>Psammobia deflorata</i> Turton. <i>Chama diffusior</i> Lister.	Florida.
72	xvii	3	Astarte castanea Say. <i>Venus castanea</i> Say, olim.	N. Jersey, R. Island.

Totten.—Description of some Shells belonging to the Coast of New England: by Jos. G. TOTTEN. No. 2. (From American Journal of Science, O. S., vol. xxviii, No. 2. Date of title-page, July, 1835.)

Page.	Fig.	Name.	Locality.
347	1	Anatina papyratia Say? <i>A. fragilis</i> Totten.	Newport, R. I.
348	2	Astarte castanea Say? <i>A. procera</i> Totten.	Provincetown, Mass.
349	3	Danmoniensis Sowb. <i>Venus Danmoniensis</i> Mont. <i>crassatella</i> Bl. <i>Crassina Danmoniensis</i> Lam.	Newport, R. I.
350	4	Bulla insculpta Totten.	Newport, R. I.
350	5	oryza Totten.	Newport, R. I.
351	6	Natica immaculata Totten.	Newport, R. I.
352	7	Turritella interrupta Totten.	Newport, R. I.
352	8	Cerithium reticulatum Totten. <i>Pasithea nigra</i> Totten.	Narraganset Roads, R. I., Boston.

Greene, &c.—A Catalogue of the Testacea or Shells of Massachusetts was published in HITCHCOCK's "Report on the Geology, Botany, and Zoology," made to the government of that State. In the second edition (1835) are catalogues by THOMAS A. GREENE, JOHN MILTON EARLE, and the Boston Society of Natural History. No descriptions are given.

This is the second edition. In the first edition (1833), p. 554 of bound Reports, is a list of the shells of New England, by Col. Jos. G. TOTTEN (vid. p. 45), for which the Society catalogue is substituted in the second edition.

Greene.—List of the Marine Shells of Massachusetts, arranged according to the System of Lamarck. By THOMAS A. GREENE, Esq., of New Bedford.

CLASS XI. CONCHIFERA.

Order I. *Bimusculosa*.

Page.	Name.	Locality.
19	<i>Teredo navalis</i> .	On the bottoms of ships.
19	<i>Pholas crispata</i> .	
19	<i>Solen ensis</i> .	
19	<i>viridis</i> .	Not common in the N. E. States.
19	<i>Solecurtus Caribæus</i> (rare).	Found at New Bedford.
19	<i>costatus</i> Say.	Common at Nahant Beach.
19	<i>fragilis</i> .	Found at New Bedford.
	<i>S. centralis</i> Say.	
19	<i>Mya mercenaria</i> Say.	
19	<i>Anatina convexa</i> Turton.	
	<i>Thracia</i> Blainville.	
19	<i>Leana</i> Conrad.	At Nantucket.
	<i>A. prætenuis</i> ? Turton.	
19	<i>Macra solida</i> .	
19	<i>gigantea</i> Lam.	
	<i>M. solidissima</i> Dillwyn.	
19	<i>subtruncata</i> .	
19	<i>lateralis</i> Say.	
19	<i>subtriangulata</i> .	
	<i>M. arcata</i> Conrad.	
	Figured in the supplement to Wood's "Index Testaceologicus."	
20	<i>tellinoides</i> Conrad.	
20	<i>Solemya velum</i> Say.	Not uncommon at New Bedford.
20	<i>Amphidesma corbuloides</i> .	
	<i>Mya Norwegica</i> Wood & Dill.	
	<i>hyalina</i> Conrad.	

Page.	Name.	Locality.
20	Corbula ferruginosa.	
	<i>Mya ferruginosa</i> Wood.	
20	Pandora trilineata Say.	Found in Nantucket harbor.
20	Petricola pholadiformis Lam.	Very common.
	<i>P. fornicata</i> Say.	
20	Sanguinolaria fusca Conrad.	At Nantucket.
20	Tellina polita Say.	Found at New Bedford.
20	Lucina divaricata.	A single valve found at Chatham.
	<i>Astarte castanea</i> Say.	Ocean shore at Nantucket.
20	Astarte.	A distinct species, with margins entire.
20	Cyprina Islandica.	Common in Essex County.
	<i>Venus Islandica</i> L.	
20	Venus mercenaria.	
20	præparca Say.	
20	notata Say.	
20	Cardium Mortoni Conrad.	Very common at New Bedford.
20	pinnulatum Conrad.	
20	Cardita.	This species appears to be undescribed.
20	Arca ponderosa Say.	} Found at Smith's point, on the ocean shore of Nantucket.
20	pexata Say.	
20	transversa Say.	
20	Nucula margaritacea.	Not uncommon in Buzzard's Bay.
	<i>N. proxima</i> Say.	
	<i>Arca nucleus</i> L.	
20	rostrata Montague.	
	<i>N. limatula</i> Say.	

Order II. **Unimusclosa.**

20	Modiola papuana.	
	<i>Mytilus modiolus</i> L.	
20	Mytilus edulis.	
20	ungulatus.	
20	pellucidus.	
20	incurvatus.	
20	demissus.	Very abundant at New Bedford.
21	Pecten Magellanicus.	Rare in Mass., common at Eastport, Me.
21	Islandicus (rare).	
	<i>P. Pealeii</i> Conrad.	
21	concentricus Say.	
21	Ostrea Virginica.	
21	Anomia ephippium.	Abundant in New Bedford.
21	undulata.	Is it a distinct species from the preceding?

CLASS XII. MOLLUSCA.

Order II. Gasteropoda.

Page.	Name.	Locality.
21	Chiton. Not described to my knowledge.	Found at Nantucket.
21	Patella alveus Conrad.	
21	amena Say.	
21	Crepidula fornicata Say.	Very common on our coast.
21	glauca Say.	
21	plana Say.	Found in Nantucket harbor.

Order III. Trachelipoda.

21	Velutina rupicola Conrad.	
21	Bulla solitaria Say.	Found at Holme's Hole.
	Is it a variety of <i>B. hydatis</i> ?	
21	Natica duplicata Say.	
21	heros Say.	
21	triseriata Say.	
	<i>Nerita intricata</i> of Wood's Supplement.	
21	Melampus videntatus Say.	Common in salt marshes, N. Bed.
21	Lacuna pertusa Conrad.	
21	Turbo obligatus Say.	
21	irroratus Say.	
21	palliatu s Say.	
21	Turritella bisuturalis Say.	
21	alternata Say.	
21	Fusus Islandicus.	
	<i>Murex corneus</i> Wood & Dill.	
	<i>F. corneus</i> Say.	
21	cinereus Say.	
22	decemcostatus Say.	
	<i>Murex carinatus</i> Pennant.	
22	Ranella caudata.	At Nantucket.
22	Pyrula canaliculata.	
	<i>Murex canaliculata.</i>	
22	carica.	
22	Nassa obsoleta Say.	
	<i>Buccinum noveboracense</i> Wood's Supplement.	
22	trivittata Say.	
22	lunata Say.	
22	Purpura lapillus.	
	<i>Buccinum lapillus</i> L.	
22	imbricata Lam.	
22	Buccinum undatum L.	
22	Columbella terpsichore.	
	<i>Buccinum terpsichore</i> , Wood's Supplement.	

Order IV. **Cephalopoda.**

Page.	Name.	Locality.
22	Spirula Peronii. <i>Nautilus spirula</i> L.	Found on the ocean shore of Nantucket.

Earle.—List of Land and Fresh-water Shells in Massachusetts so far as they have been ascertained: by Mr. JOHN MILTON EARLE, of Worcester. (Vide p. 39.) .

I. BIVALVES.

Page.	Name.	Locality.
22	Unio complanatus Lam. <i>U. purpureus</i> Say.	
22	nasutus Say.	Ponds in Essex & Plymouth Cos.
22	ochraceus Say.	Ponds in Plymouth County.
22	radiatus Say.	Ponds in Plymouth & Essex Cos.
22	Alasmodonta margaritifera L. <i>A. arcuata</i> Barnes.	
22	marginata Say.	Blackstone river.
22	undulata Say.	Do. and streams in Plym. Co.
22	Anodonta cataracta Say.	
22	marginata Say.	Blackstone and French rivers.
22	lugubris Say.	Ponds in Essex County.
22	Cyclas similis Say.	
23	dubia Say.	
And two species not described.		

II. UNIVALVES.

Page.		Page.	
23	Paludina decisa Say.	23	Planorbis parvus Say.
23	limosa? Say.	23	Lymnæa catascopium Say.
23	Planorbis trivolvis Say.	23	heterostropha Say.
23	bicarinatus Say.	23	columella Say.
23	armigerus Say.	And one species not ascertained.	
23	campanulatus.	23	Valvata arenifera? Lea.

LAND SHELLS.

23	Helix albolabris.	23	Helix minuta Say.
23	arboreus Say.	23	hirsuta Say.
23	tridentata Say.	23	labyrinthica Say.
23	alternata Say.	23	perspectiva Say.
23	glaphyra Say.	23	fraterna Say.
23	thyroidus Say.	And two other species.	

AMPHIBIOUS.

Page.		Page.	
23	<i>Succinea ovalis</i> Say.	23	<i>Pupa corticaria?</i> Say.
23	<i>campestris?</i> Say.	23	<i>Caracolla.</i>
	And one species not ascertained.		One species not ascertained.

Catalogue of Boston Society of Natural History. (Vide p. 39.)

CLASS XI. CONCHIFERA LAM.

Order I. *Bimusculosa.*

Page.		Page.	
25	<i>Solen ensis</i> Lin.	25	<i>Astarte castanea</i> Say.
25	<i>viridis</i> Say.	25	<i>Cyclas similis</i> Say.
25	<i>Solecurtus Caribæus</i> Blain.	25	<i>dubia</i> Say.
25	<i>maximus.</i>	25	<i>Cyprina Islandica</i> Lam.
25	<i>costatus</i> Say.	25	<i>Cytherea convexa</i> Say.
25	<i>fragilis</i> Pulteney.	25	<i>Venus mercenaria</i> Lin.
25	<i>Glycimeris siliqua</i> Lam.	25	<i>præparca</i> Say.
25	<i>Mya mercenaria</i> Lin.	25	<i>notata</i> Say.
25	<i>Anatina Leana</i> Conrad.	25	<i>gemma</i> Totten.
25	<i>convexa.</i>	26	<i>Cardium Mortoni</i> Conrad.
25	<i>Mactra gigantea</i> Lam.	26	<i>pinulatum</i> Conrad.
25	<i>lateralis</i> Say.	26	<i>Cardita borealis</i> Conrad.
25	<i>arctata</i> Conrad.	26	<i>Arca ponderosa</i> Say.
25	<i>tellinoides</i> Conrad.	26	<i>pexata</i> Say.
25	<i>Solemya velum</i> Say.	26	<i>transversa</i> Say.
25	<i>borealis</i> Totten.	26	<i>Nucula margaritacea</i> Lam.
25	<i>Amphidesma corbuloides</i>	26	<i>rostrata</i> Montague.
	Lam.	26	<i>Unio complanatus</i> Soland.
25	<i>Corbula ferruginosa</i> Wood.	26	<i>nasutus</i> Say.
25	<i>contracta</i> Say.	26	<i>ochraceus</i> Say.
25	<i>Pandora trilineata</i> Say.	26	<i>radiatus</i> Lea.
25	<i>Saxicava distorta</i> Say.	26	<i>Alasmodonta arcuata</i> Barn.
25	<i>Petricola pholadiformis</i>	26	<i>marginata</i> Say.
	Lam.	26	<i>undulata</i> Say.
25	<i>dactylus</i> Say.	26	<i>Anodonta cataracta</i> Say.
25	<i>Sanguinolaria fusca</i> Conrad.	26	<i>marginata</i> Say.
25	<i>Tellina polita</i> Say.	26	<i>lugubris</i> Say.
25	<i>Lucina divaricata</i> Lam.		

Order II. *Unimusculosa.*

26	<i>Modiola papuana</i> Lam.	26	<i>Mytilus unguatus</i> Humboldt.
26	<i>plicatula</i> Lam.	26	<i>incurvatus</i> Maton.
26	<i>glandula</i> Totten.	26	<i>pellucidus.</i>
26	<i>Mytilus edulis</i> Lin.	26	<i>Pecten Magellanicus</i> Lam.

Page.		Page.	
26	<i>Pecten Islandicus</i> Lam.	26	<i>Ostrea edulis</i> Lin. (var.)
26	<i>concentricus</i> Say.	26	<i>Anomia ephippium</i> Lin.
26	<i>Ostrea Canadensis</i> Lam.	26	<i>Terebratula</i> .
26	<i>Virginica</i> Lam.		An undescribed recent species.

CLASS XII. MOLLUSCA.

Order II. Gasteropoda.

26	<i>Chiton</i> .	27	<i>Ancylus rivularis</i> Say.
	One species.	27	<i>Velutina rupicola</i> Conrad.
26	<i>Patella alveus</i> Conrad.	27	<i>Bulla solitaria</i> Say.
26	<i>amœna</i> Say.	27	<i>Limax</i> .
26	<i>Crepidula fornicata</i> Say.		One or more species.
26	<i>glauca</i> Say.	27	<i>Testacella</i> .
27	<i>plana</i> Say.		One or more species.
27	<i>convexa</i> Say.		

Order III. Trachelipoda.

27	<i>Helix albolabris</i> Say.	27	<i>Valvata arenifera</i> Lea.
27	<i>thyroidus</i> Say.	27	<i>Paludina decisa</i> Say.
27	<i>alternata</i> Say.	27	<i>limosa</i> Say.
27	<i>perspectiva</i> Say.	27	<i>lapidaria</i> Say.
27	<i>glaphyra</i> Say.		One other species.
27	<i>arborea</i> Say.	27	<i>Natica duplicata</i> Say
27	<i>tridentata</i> Say.	27	<i>heros</i> Say.
27	<i>hirsuta</i> Say.	27	<i>triseriata</i> Say.
27	<i>fraterna</i> Say.	28	<i>Melampus bidentalis</i> Say.
27	<i>labyrinthica</i> Say.	28	<i>Vermetus lumbricallis</i> Lam.
27	<i>minuta</i> Say.	28	<i>Lacuna pertusa</i> Conrad
27	<i>subglobosa</i> (MSS.)	28	<i>fusca</i> (MSS.)
27	<i>Pupa fallax</i> Say.	28	<i>Turbo obligatus</i> Say.
27	<i>corticaria</i> Say.	28	<i>palliatu</i> s Say.
27	<i>Succinea ovalis</i> Say.	28	<i>vestita</i> Say.
27	<i>campestris</i> Say.	28	<i>irroratus</i> Say.
27	<i>Auricula myosotis</i> Drap.	28	<i>inflatus</i> Totten.
27	<i>Planorbis trivolvis</i> Say.	28	<i>minutus</i> Totten.
27	<i>bicarinatus</i> Say.	28	<i>Turritella alternata</i> Say.
27	<i>armigerus</i> Say.	28	<i>bisuturalis</i> Say.
27	<i>campanulatus</i> Say.	28	<i>Fusus corneus</i> Say.
27	<i>parvus</i> Say.	28	<i>cinereus</i> Say.
	Two or more other species.	28	<i>decemcostatus</i> Say.
27	<i>Physa heterostroph</i> a Say.	28	<i>Pyrula caniculata</i> Lam.
27	<i>Lymnœa catascopium</i> Say.	28	<i>carica</i> Lam.
27	<i>columella</i> Say.	28	<i>Ranella caudata</i> Say.
27	<i>ovata</i> Lam.	28	<i>Purpura lapillus</i> Lam.
	Two or more other species.	28	<i>imbricata</i> Lam.

Page.		Page.	
28	<i>Buocinum undatum</i> Lin.	28	<i>Nassa lunata</i> Say.
28	<i>Nassa obsoleta</i> Say.	28	<i>vibex</i> Say.
28	<i>trivittata</i> Say.	28	<i>Columbella avara</i> Say.

Order IV. Cephalopoda.

28	<i>Spirula Peronii</i> Lam.	28	<i>Loligo pavo</i> Lesueur.
28	<i>Loligo illecebrosa</i> Lesueur.		One or two other species.

Totten.—List of Shells observed on and near the Coast of New England: by Col. JOA. G. TOTTEN. (Hitchcock's Report, Amherst, 1833. Vide p. 39.)

Page.		Page.	
560	<i>Solen ensis</i> Linn.	561	<i>Nucula proxima</i> Say.
560	<i>viridis</i> Say.	561	<i>limatula</i> Say.
560	<i>Solecurtus caribaeus</i> Lam.	561	<i>Unio complanatus</i> Soland.
560	<i>costatus</i> Say.	561	<i>Alasmodonta margaritifera</i> Gmelin.
560	<i>fragilis</i> Dillw. (<i>S. centralis</i> Say.)	561	<i>Modiola plicatula</i> Lam.
560	<i>Mya mercenaria</i> Linn.	561	<i>Mytilus edulis</i> Linn.
560	<i>hyalina</i> Conr.	561	<i>Pecten magellanicus</i> Gmel.
560	<i>Anatina convexa</i> Wood. (<i>A. thracia</i> of Blainv.)	561	<i>Pealeii</i> Conr.
560	<i>leana</i> Conr.	561	<i>concentricus</i> Say.
560	<i>Mastra solidissima</i> Chemn.	561	<i>Anomia ehippium</i> Gmelin.
560	<i>lateralis</i> Say.	561	<i>Chiton marginatus</i> Linn.
560	<i>arotata</i> .	561	<i>Patella amena</i> Say.
560	<i>tellinoides</i> Conr.	561	<i>alveus</i> Conr.
560	<i>Solemya velum</i> Say.	561	<i>Dispotea striata</i> Say.
560	<i>Corbula contracta</i> Say.	561	<i>Crepidula fornicata</i> Gmelin.
560	<i>Pandora tritineata</i> Say.	561	<i>convexa</i> Say.
560	<i>Saxicava distorta</i> Say.	561	<i>plana</i> ? Say.
560	<i>Petricola pholadiformis</i> Lam.	561	<i>glauca</i> ? Say.
560	<i>Sanguinolaria fusca</i> Say.	561	<i>Helix albolabris</i> Say.
560	<i>Lucina divaricata</i> Gmelin.	561	<i>alternata</i> Say.
560	<i>Astarte castanea</i> Say.	561	<i>thyroidus</i> Say.
560	<i>Cytherea convexa</i> Say.	562	<i>Paludina decissa</i> Say.
560	<i>Venus mercenaria</i> Linn.	562	<i>Natica duplicata</i> Say.
560	<i>notata</i> Say.	562	<i>heros</i> Say.
560	<i>Cardium Mortoni</i> Conr.	562	<i>triseriata</i> Say.
560	<i>pinnulatum</i> Conr.	562	<i>Turbo palliatus</i> Say.
561	<i>Cardita borealis</i> Say.	562	<i>obligatus</i> Say.
561	<i>Arca pexata</i> Say.	562	<i>vestita</i> Say.
		562	<i>irroratus</i> Say.
		562	<i>rudis</i> Say.

Page.		Page.	
562	<i>Lacuna pertusa</i> Conr.	562	<i>Ranella caudata</i> Say.
562	<i>Velutina rupicolor</i> Conr.	562	<i>Purpura lapillus</i> Linn.
562	<i>Turritella bisuturalis</i> Say.	562	<i>Buccinum undatum</i> Linn.
562	<i>Fusus cinereus</i> Say.	562	<i>Nassa vibex</i> Say.
562	<i>decemcostatus</i> Say.	562	<i>trivittata</i> Say.
562	<i>corneus</i> Linn.	562	<i>obsoleta</i> Say.
562	<i>Fulgur canaliculata</i> Lam.	562	<i>lunata</i> Say.
562	<i>carica</i> Lam.	562	<i>Columbella avara</i> Say.

Jay.—A Catalogue of Recent Shells in the Cabinet of JOHN C. JAY, M. D. New York, Aug. 1, 1835.

[No reference is made to this edition, as its contents are included in the fourth edition.]

Ferussac.—Observations adressées en forme de lettre à MM. Th. Say, C. S. Rafinesque, Is. Lea, S. P. Hildreth, T. A. Conrad, et C. A. Poulson, sur la Synonymie des Coquilles bivalves de l'Amérique Septentrionale, et Essai d'une Table de Concordance à ce sujet: par le BARON DE FERUSSAC. (From the Magasin de Zoologie, 1835, Classe V, Nos. 59, 60, pp. 1-36.)

[There are copious notes and a complete list of works on the subject, but no descriptions. The catalogue is alone given.]

Page.		Page.	
25	<i>Mytilus recurvus</i> Raf.	25	<i>Anodonta marginata</i> Say.
25	<i>Anodonta cataracta</i> Say.		<i>A. Pensylvanica</i> Lam.
	<i>Mytilus fluviatilis</i> Geml.,	25	<i>undulata</i> Say.
	Dillw., Wood.		<i>A. rugosus</i> Swains.
	<i>A. fluviatilis</i> Bosc., Gray.	25	<i>lata</i> Raf.
	<i>Mytilus illitus</i> Solander.		<i>Unio dehiscens</i> Say.
	<i>A. parallela</i> Hyde, in litt.		<i>Oriens</i> Lea.
25	<i>digonota</i> Raf.		<i>latus</i> Conr.
	(an <i>cataracta</i> jun.?)		<i>A. prælonga</i> Green (Raf.)
25	<i>inflata</i> Raf.		<i>Odatelia radiata</i> Raf. (Jour-
25	<i>gibbosa</i> Say.		nal Atlant.)
25	<i>fragilis</i> Lam.	25	<i>imbecillilis</i> Say.
25	<i>grandis</i> Say.	25	<i>incerta</i> Nob., Lea.
25	<i>suborbiculata</i> Say.		(an <i>imbecilis</i> ?)
25	<i>edentula</i> Say.	25	<i>implicata</i> Say.
	(<i>Alasmodonta</i> Say, Conr.)	25	<i>lugubris</i> Say.
25	<i>Ferussaciana</i> Lea.	25	<i>atra</i> Raf.
	(an <i>Alasmodonta edentula</i> ?)	25	<i>cuneata</i> Raf.

Page.		Page.	
25	Anodonta areolatus Swains.	25	Alasmodonta globosa Lea.
25	subvexa Conr.	25	costata Raf.
25	declivis Conr.		<i>A. rugosa</i> Barnes.
25	teres Conr.	25	hians Raf.
25	plana Lea.		(an <i>costata</i> Monstr.?)
25	Stewartiana Lea.	25	marginata Say, Raf.
25	Benedictensis Lea.		<i>Decurambis scriptum</i> Raf.
25	glauca Valenc. (Acapulco).		(d'après Conr.)
25	impura Say (Mexico).		<i>U. cariosa</i> Lam. (var. 2).
25	Dipsas? fragilis Raf.	26	<i>Mya rugulosa</i> Wood.
	(Lasmonos).	26	undulata Say, Barnes.
25	Symphynota complanata		<i>U. varicosa</i> Lam.
	Lea.		<i>hians</i> Valenc.
	(<i>Alasmodonta</i> Barn., Conr.)		<i>glabratus</i> Sowerby.
25	alata Lea.		<i>Mya undulata</i> Wood Sup.
	<i>U. alatus</i> Say, Lam., Wood.	26	monodonta Say (<i>Unio</i>).
	<i>megapterus</i> Raf.		<i>U. soleniformis</i> Lea.
25	fragilis Raf.	26	confragosa Say, Conr.
	(S. G. <i>Leptodea</i> .)	26	ambigua Say.
	<i>U. gracilis</i> Barnes, Lea.	26	ponderosum Raf.
	<i>planus</i> Barnes (d'après		(<i>Lasmigona</i> .)
	M. Lea).	26	rugosum Raf. id.
	<i>fragilis</i> Swains., Conr.	26	sulcatum Raf. id.
	<i>S. gracilis</i> Lea.	26	viridis Raf. id.
25	Ohiensis Raf.	26	atropurpureum Raf.
	(S. G. <i>Lastena</i> .)		(<i>Decurambis</i> .)
	<i>U. lævissima</i> Conrad.	26	badium Raf. (<i>Sulcularia</i> .)
	<i>S. lævissima</i> Lea.	26	papyraceum Raf. id.
25	compressa Lea.	26	sculptilis Say, Conr.
	<i>U. compressus</i> Conr.	26	radiata Conr.
25	inflata Lea.	26	dubia Say.
	(<i>U. Ohiensis?</i> Say.)		<i>U. Hildrethianus</i> Lea.
	<i>U. Alabamensis</i> Conr.	26	margaritifera Linné. (<i>Mya</i> .)
25	leptodon Raf.		<i>Margaritana fluviatilis</i> Sch.
	(S. G. <i>Leptodea</i> .)		<i>U. elongata</i> Lam., Mich.
	<i>S. tenuissima</i> Lea.		<i>Roissyi</i> Mich.
	<i>A. purpurescens</i> Swains.		<i>Alasm. arcuata</i> Barnes.
	<i>U. leptodon</i> Conr.	26	Ravenelliana Lea.
	<i>planus</i> Barn. (selon M.		(<i>Margaritana</i> .)
	Say?)	26	Unio parvus Barnes.
25	diaphanus? Raf.	26	Glans Lea.
	(<i>Metaptera?</i>)		(<i>parvus?</i> Say.)
25	lasmabrachis? Raf.	26	Lens Lea.
	(<i>Metaptera?</i>)		(<i>lævigatus</i> , selon Conr. ; sub-
25	Poulsoni Conr.		rotundus, selon Say.)

- | Page. | | Page. | |
|-------|--|-------|---|
| 26 | Unio suborbiculatus Lam.
<i>U. rotundata</i> Lam.
<i>globulus</i> Say.
<i>subglobosus</i> Lea. | 26 | Unio fasciolus Raf. (son ex.)
<i>U. subovatus</i> Lea. id.
(<i>Cardium</i> , var., selon Say et
Conr.)
<i>jun. multiradiatus</i> Lea, Conr.
(<i>fasciolus</i> Raf., selon Say.) |
| 26 | tetralasmus Say. | 26 | ovatus Say, Lam., Raf., Barn. |
| 26 | lanceolatus Lea. | 26 | ochraceus Say, Conr.
<i>Symph. ochracea</i> Lea. |
| 26 | declivis Say.
<i>U. geometricus</i> Lea. | 26 | ventricosus Barnes.
<i>U. Cardium</i> Say, Conr. |
| 26 | subrostratus Say.
(an <i>U. nasutus</i> ?) | 26 | Cardium Raf., Say.
<i>U. ventricosus</i> Barnes, var.
<i>Occidens</i> Lea.
<i>ovatus</i> Lam., var. b. |
| 26 | nasutus Say, Barnes.
<i>U. rostrata</i> Valenc.
<i>Mya nasuta</i> Wood. | 26 | capax Green, Conr.
(<i>Cardium</i> , var., selon Say.) |
| 26 | complanatus Soland., Dilw.
<i>U. violaceus</i> Spengl.
<i>purpureus</i> Say, Barnes.
<i>coarctata</i> Lam.
(d'après son exempl.)
<i>purpurascens</i> Lam. id.
<i>rhombula</i> Lam. id.
<i>carinifera</i> Lam. id.
<i>georgiana</i> Lam. id.
<i>sulcidens</i> Lam. id.
<i>glabrata</i> Lam. id.
<i>varisulcata</i> ? Lam. id.
<i>fluvialilis</i> Green?
<i>aurata</i> Raf. (d'après
Conr.) | 26 | cariosus Say, Lam., Barn.
<i>U. luteola</i> Lam. (d'après
son exempl.)
<i>ovatus</i> Valenc. |
| 26 | congaræus Lea. | 27 | viridis Raf.
(<i>cariosus</i> , selon Say.) |
| 26 | angustatus Lea. | 27 | siliquoides Barnes.
(<i>cariosus</i> , selon Say.)
(<i>inflatus</i> , selon Conr.)
<i>U. rigida</i> Wood?
a) <i>inflatus</i> Barnes? |
| 26 | subtentus Say. | 27 | fasciatus Raf., Say.
<i>U. carinatus</i> Barnes, selon
Say et Conr.) |
| 26 | Carolinianus Bosc.
<i>U. obesus</i> Lea. | 27 | radiatus Spengl., Gmel., Lam.
<i>U. oblongata</i> Wood Sup.
<i>Virginiana</i> Lam. |
| 26 | camptodon Say.
(an <i>Carolinianus</i> ?) | 27 | teres Raf.
<i>U. anodontoides</i> Lea. |
| 26 | heterodon Lea. | 27 | rectus Lam., Valenc.
<i>U. latissima</i> Raf.
<i>proelongus</i> Barnes.
<i>Mya praelonga</i> Wood. |
| 26 | iris Lea.
(<i>subrostratus</i> , selon Say.) | 27 | crassus Say, Raf.
(<i>cariosus</i> Say, selon Conr.)
<i>U. crassidens</i> Lam., var. a.
<i>ellipticus</i> Barnes.
(<i>cariosus</i> Say, selon Conr.) |
| 26 | calceolus Lea.
(<i>Alas. marginata</i> , selon Say;
<i>truncata</i> Say, selon Conr.) | | |
| 26 | purpuratus Lam.
<i>U. ventricosa</i> Soland.
<i>lugubris</i> Say.
<i>ater</i> Lea. | | |

Page.		Page.	
	<i>U. carinatus</i> Barnes.	27	<i>Unio fasciolaris</i> Raf.
	<i>Mya gravis</i> Wood, Sup.		<i>U. phaseolus</i> Hild., Say.
27	<i>Unio ligamentina</i> Lam.		<i>mucronatus</i> Barnes.
	<i>U. ellipsaria</i> Raf.		<i>planulatus</i> Lea.
	(<i>crassus</i> , selon Say ; <i>lineolatus</i> , selon Conr.)		<i>sinuatus</i> Raf. ? (sel. Con.)
27	<i>verrucosus</i> Raf., Say.	27	<i>Unio niger</i> Raf., Say.
	<i>U. tuberculatus</i> Barnes.		<i>U. crassidens</i> Lam., var. b.
27	<i>quadrulus</i> Raf.		<i>cuneatus</i> Barnes.
	<i>U. rugosus</i> Barnes.		<i>Bariosta ponderosa</i> Raf.
	<i>asperrimus</i> Lea.		(d'après l'ex. env. parlnt.)
27	<i>lachrymosus</i> Lea.	27	<i>Venus</i> Raf.
	(<i>quadrulus</i> Say, Conr.)	27	<i>fabalis</i> Lea.
27	<i>trapesoides</i> Lea.		<i>U. lapillus</i> Say.
	<i>U. crassidens</i> Lam., var. a.	27	<i>nervosus</i> Raf.
	<i>interruptus</i> Say.		<i>U. zig-zag</i> Lea.
27	<i>Heros</i> Say.	27	<i>donaciformis</i> Lea ?
	<i>U. multiplicatus</i> Lea.		(<i>nervosus</i> , selon Say.)
	<i>undulatus</i> Say.		(<i>truncatus</i> , selon Conr.)
27	<i>plicatus</i> Say, Barn., Hildr.	27	<i>truncatus</i> Raf.
	<i>U. Peruviana</i> Lam. (d'après son exempl. ; <i>costatus</i> ? selon Say.)		<i>U. elegans</i> Lea.
	<i>raviplicata</i> Lam.	27	<i>triqueter</i> Raf.
	<i>Dombeiana</i> Valenc.		<i>U. triangularis</i> Barnes.
	<i>crassus</i> Barnes.		<i>cuneatus</i> Swainson.
27	<i>costatus</i> Raf.		<i>formosus</i> Lea.
	<i>U. undulatus</i> Barnes.	27	<i>foliatus</i> Hildr.
	<i>undulatus</i> Valenc.	27	<i>Cyphia</i> Raf.
27	<i>apiculatus</i> Say.		<i>U. Æsopus</i> Green.
	<i>U. asper</i> Lea (sp. dis. ? Con.)	27	<i>gibbosus</i> Raf.
27	<i>metanevrus</i> Raf.		<i>U. perplexus</i> Lea.
	<i>U. nodosus</i> Barnes.		a) <i>Epioblasma biloba</i> Raf. ?
27	<i>cylindricus</i> Say.	28	<i>torulosus</i> Raf.
	<i>U. naviformis</i> Lam., Valenc.		(<i>gibbosus</i> , selon Conr.)
	<i>solenoides</i> Raf.	28	<i>reflexus</i> Raf.
27	<i>dilatatus</i> Raf.		<i>U. cornutus</i> Barnes.
	<i>U. nasutus</i> Lam.	28	<i>pachostea</i> Raf.
	<i>gibbosus</i> Barnes.		(<i>triangularis</i> , selon Conr.)
	<i>atro-violacea</i> Raf.		<i>U. Cooperianus</i> Lea.
	(d'après Conr.)	28	<i>tuberculatus</i> Raf.
	<i>fun. cuprea</i> Raf. id.		<i>U. verrucosus</i> Barnes.
	a) <i>mucronatus</i> Barnes.		<i>verrucosus purpureus</i> Hil.
27	<i>flavus</i> Raf.		<i>tuberculosa</i> Valenc.
	<i>U. rubiginosus</i> Lea.	28	<i>verrucosus</i> Val.
			<i>U. verrucosus</i> Barn., var.
			<i>verrucosus albus</i> Hildr.

Page.		Page.	
28	Unio bullatus Raf.	28	Unio lineolatus Raf.
28	plumbeus Nob.		<i>U. depressus Raf.</i>
	<i>Chama plumbea Chemn.</i>		<i>Securis Lea.</i>
	<i>U. nodulosus Wood.</i>	28	interruptus Raf.
28	pustulosus Lea.		<i>U. brevidens Lea.</i>
	(<i>bullatus Say, Conr.</i>)	28	nexus Say.
28	nodulatus Raf.		<i>U. arcæformis Lea.</i>
	<i>U. pustulatus Lea.</i>	28	undatus Barnes.
28	Stegarius Raf.		<i>U. trigonus Lea.</i>
	<i>U. irroratus Lea.</i>	28	deolus Lea.
28	retusa Lam.		(<i>Scalenius? var., sel. Say.</i>)
	<i>U. torsus Raf.</i>	28	cuneatus Raf.
28	subrotundus Raf.		(<i>Scalenius, selon Conr.</i>)
	<i>U. rotunda Wood.</i>		<i>U. patulus Lea.</i>
	<i>Circulus Lea.</i>		(<i>Scalenius, selon Conr.</i>)
	<i>orbiculatus Hildr.</i>	28	lateralis Raf.
	<i>pusilla Raf. (selon Conr.)</i>		(<i>triangularis, selon Conr.</i>)
	<i>striatus Raf. id.</i>		<i>U. crassus Barnes, var. c.</i>
28	lævigatus Raf.	28	sintoxia Raf.
28	castaneus Lea.		(<i>triangularis, selon Conr.</i>)
	(<i>lævigatus? selon Say.</i>)	28	mytiloides Raf.
28	politus Say.		(<i>triangularis, selon Conr.</i>)
	<i>U. subrotundus Lea.</i>		<i>U. caridiacea Say of Guérin.</i>
	(<i>personatus, selon Conr.</i>)		<i>pyramidatus Lea.</i>
28	personatus Say.		(<i>triangularis, selon Conr.</i>)
28	Cyclips Raf.		<i>U. rubra Raf.</i>
	<i>U. abruptus Say.</i>		(<i>triangularis, selon Conr.</i>)
	<i>Calendis Raf. (sel. Conr.)</i>	28	Clava Lam.
28	obliquatus Raf.		<i>U. Scalenia Raf.</i>
	monstr. <i>U. Haysianus Lea.</i>		<i>modioliformis Say.</i>
	a) <i>U. sulcatus Lea.</i>	28	retusus Raf., Conr.
	monstr. <i>U. ridibundus Say.</i>	28	stapes Lea, Conr.
28	olivarius Raf., Conr.		(<i>retusus? Say.</i>)
	<i>U. ellipsis Lea.</i>	28	flexuosus Raf., Conr.
	(<i>triangularis Raf., sel. Say.</i>)	28	pileus Lea, Conr.
28	triangularis Raf.		(<i>flexuosus Say?</i>)
28	cicatricosus Say.	28	acutissimus Lea.
	(<i>Cyphia Raf., selon Conr.</i>)	28	Velum Say.
	<i>U. varicosus Lea, id.</i>	28	elliptica Raf.
28	obliqua Lam.	28	zonalis Raf.
	<i>U. obovalis Raf.</i>	28	montanus Raf.
	<i>ebenus Lam.</i>		(<i>Contin. of a Monogr.</i>)
	<i>Mya obliqua Wood?</i>	28	rimosus Raf. id.

Page.		Page.	
28	<i>Unio fulves Raf.</i>	29	<i>Unio rubellus Conr.</i>
	(Contin. of a Monogr.)	29	<i>furvus Conr.</i>
28	<i>roseus Raf.</i> (Monogr.)	29	<i>Ravenelli Conr.</i>
29	<i>pallidus Raf.</i> id.	29	<i>icterinus Conr.</i>
29	<i>vittatus Raf.</i>	29	<i>tenebrosus Conr.</i>
	(Contin. of a Monogr.)	29	<i>altilis Conr.</i>
	(<i>inflatus?</i> selon Conr.)	29	<i>perovalis Conr.</i>
29	<i>diploderma Raf.</i> id.	29	<i>prasinus Conr.</i>
29	<i>perplexus Raf.</i> id.	29	<i>infucatus Conr.</i>
29	<i>granulatus Raf.</i> id.	29	<i>oviformis Conr.</i>
29	<i>metaplata Raf.</i> id.	29	<i>perovatus Conr.</i>
29	<i>decorticata Raf.</i> (Monogr.)	29	<i>lienosus Conr.</i>
29	<i>Cliffortiana Raf.</i> id.	29	<i>stramineus Conr.</i>
29	<i>attenuata Raf.</i> id.	29	<i>arcus Conr.</i>
29	<i>plateolus Raf.</i>	29	<i>Blandingianus Lea.</i>
	(Contin. of a Monogr.)	29	<i>Camelus Lea.</i>
29	<i>tenellus Raf.</i> id.	29	<i>capillaris Lea.</i>
29	<i>pallens Raf.</i> id.		(an <i>U. personatus</i> Say?)
29	<i>rivularis Raf.</i> id.	29	<i>capseeformis Lea.</i>
29	<i>fontinalis Raf.</i> id.	29	<i>confertus Lea.</i>
29	<i>Chloris Raf.</i> id.	29	<i>Conradicus Lea.</i>
29	<i>castaneus Raf.</i> id.	29	<i>Dromas Lea.</i>
29	<i>cordatus Raf.</i> (Monogr.)	29	<i>fulvus Lea.</i>
29	<i>cinerescens Raf.</i>	29	<i>Griffithianus Lea.</i>
	(Contin. of a Monogr.)	29	<i>Kirtlandicus Lea.</i>
29	<i>lividus Raf.</i> id.	29	<i>modioliformis Lea.</i>
29	<i>flexus Raf.</i> id.	29	<i>Nashvillianus Lea.</i>
29	<i>marginatus Raf.</i> id.	29	<i>Perdix Lea.</i>
29	<i>brevialis Sow.?</i>	29	<i>pictus Lea.</i>
29	<i>metallicus Say.</i> (Mexique.)	29	<i>Ravenellianus Lea.</i>
	<i>U. cuprinus Lea.</i>	29	<i>Schoolcraftensis Lea.</i>
29	<i>purpuratus Say.</i>	29	<i>Shepardianus Lea.</i>
29	<i>teeniatus Conr.</i>	29	<i>Sowerbianus Lea.</i>
29	<i>trabalis Conr.</i>	29	<i>Taitianus Lea.</i>
29	<i>nebulosus Conr.</i>	29	<i>Troostensis Lea.</i>
29	<i>Cor Conr.</i>	29	<i>Cyclos similis Say.</i>
29	<i>ocelatus Conr.</i>		<i>C. striatina Lam.</i>
29	<i>maculatus Conr.</i>	29	<i>sulcata Lam.</i>
29	<i>vibex Conr.</i>	29	<i>sarratogea Lam.</i>
29	<i>Greenii Conr.</i>	29	<i>rhomboidea Say.</i>
29	<i>penitus Conr.</i>	29	<i>partumeia Say.</i>
29	<i>Masoni Conr.</i>	29	<i>Virginica Gmel. (Tellina.)</i>
29	<i>delumbis Conr.</i>		<i>T. pusilla Dillw., Turton.</i>
29	<i>arotatus Conr.</i>	29	<i>æqualis Raf.</i>
29	<i>pectorosus Conr.</i>	29	<i>lasmanpala Raf.</i>

Page.		Page.	
29	<i>Cyclas Caroliniana</i> Bos., Lam. (<i>Cyrena</i> Say.)	29	<i>Cyclas hammalis</i> Raf. (<i>Corbionia</i> .)
29	<i>dubia</i> Say.	29	<i>staminea</i> Conr.
29	<i>edentula</i> Say.	29	<i>Tremesia patelloides</i> Raf.
29	<i>transversa</i> Say.	29	<i>Rangia cyrenoides</i> Desm.
29	<i>triangularis</i> Say. (Mexique.)		<i>Gnathodon</i> Gray.

Jay.—A Catalogue of Recent Shells, with descriptions of new or rare species, in the collection of JOHN O. JAY, M. D. Illustrated by 4 plates. Second edition. New York, 1836: 8vo. pp. 87.

[Vide fourth edition of the same.]

Couthouy.—Description of New Species of Mollusca and Shells found in Massachusetts Bay: by JOSEPH P. COUTHOUY. From the Bost. Journ. Nat. Hist., vol. ii. (American Journal of Science and Arts, O. S., vol. xxxiv, No. 1, July, 1838, pp. 216-219.)

Page.		Page.	
216	<i>Tellina sordida</i> Couth.	217	<i>Bulla triticea</i> Couth.
216	<i>Cardium pubescens</i> Couth.	217	<i>Natica consolidata</i> Couth.
216	<i>Nucula myalis</i> Couth.	217	<i>Oxinoe? glabra</i> Couth.
216	<i>tenuisulcata</i> Couth.	217	<i>Jaminia exigua</i> Couth.
216	<i>Terebratula septentrio-</i> <i>nalis</i> Couth.	218	<i>Scalaria subulata</i> Couth.
216	<i>Holis Bostoniensis</i> Couth.	218	<i>Novangliæ</i> Couth.
217	<i>salmonacea</i> Couth. (<i>Cavolina</i> Brug.)	218	<i>Turbo incarnatus</i> Couth.
217	<i>gymnota</i> Couth. (<i>Tergipes</i> Cuv.)	218	<i>cinereus</i> Couth.
217	<i>Tritonia Reynoldsi</i> Couth.	218	<i>obscurus</i> Couth.
217	<i>Chiton fulminatus</i> Couth.	218	<i>Pyramis striatulus</i> Couth.
217	<i>sagrinatus</i> Couth.	218	<i>Turritella erosa</i> Couth.
217	<i>Emersonii</i> Couth.	218	<i>Pleurotoma bicarinata</i> Cow.
217	<i>Patella candida</i> Couth.	218	<i>Cancellaria buccinoides</i> C.
		218	<i>Fusus harpularius</i> Couth.
		218	<i>pleurotomarius</i> Couth.
		219	<i>Trichotropis costellatus</i> C.

Lea.—A Synopsis of the Family of Naiades: by ISAAC LEA. Philadelphia: Carey, Lea & Blanchard, 1836. 8vo. pp. 62. With a plate of *Umbro spinosus* Lea.

[Vide third edition.]

Conrad.—Descriptions of New Marine Shells from Upper California, collected by Thomas Nuttall, Esq.: by T. A. CONRAD.
(From Journ. Acad. Nat. Sciences, Philadelphia, vol. vii, pt. 2, 1837.)¹

Page.	Pl.	Fig.	Name.	Locality.
244	xx	7	<i>Modiola semicostata</i> Conr.	Salem, Mass.
251			<i>Venus Mortoni</i> Conr.	Charleston, S. C.
259	xx	3	<i>Tellina lineata</i> Conr.	Mobile Point, Ala.
263	xx	26	<i>Scalaria turbinata</i> Conr.	Beaufort, N. C.
265	xx	21	<i>Purpura Floridana</i> Conr.	Florida and Ala.

Naturalist.—Miscellaneous Observations made during a tour in May, 1835, to the Falls of the Cuyahoga, near Lake Erie: extracted from the Diary of a Naturalist. (Am. Journ. Science and Art, O. S., vol. xxxi, No. 1, Jan. 1837, being the date of the title-page.)

Page.	Name.	Locality.
35	<i>Lymnæa stagnalis</i> Lam. (with a wood-cut).	Congress Lake.

By name only, the following univalves are quoted from the "Reserve":—

Page.		Page.	
36	<i>Pupa exigua</i> Say.	36	<i>Helix fuliginosa</i> Griff.
36	<i>ovata</i> Say.	36	<i>Pennsylvanica</i> Green.
36	<i>Helix albolabris</i> Say.	36	<i>Succinea ovalis</i> Say.
36	<i>thyroidus</i> Say.	36	<i>avara</i> Say.
36	<i>hirsuta</i> Say.	36	<i>obliqua</i> Say.
36	<i>perspectiva</i> Say.	36	<i>Melania depygis</i> Say.
36	<i>lineata</i> Say.	36	<i>Virginica</i> Say.
36	<i>labyrinthica</i> Say.	36	<i>subularis</i> Lea.
36	<i>multilineata</i> Say.	36	<i>Lymnæa elodes</i> Say.
36	<i>pallata</i> Say.	36	<i>reflexa</i> Say.
36	<i>gularis</i> Say.	36	<i>macrostoma</i> Say.
36	<i>ligera</i> Say.	36	<i>desidiosa</i> Say.
36	<i>solitaria</i> Say.	36	<i>stagnalis</i> Lam.
36	<i>concava</i> Say.	36	<i>Physa heterostrophæ</i> Say.
36	<i>profunda</i> Say.	36	<i>Paludina ponderosa</i> Say.
36	<i>alternata</i> Say.	36	<i>decisa</i> Say.
36	<i>egena</i> Say.	36	<i>granosa</i> Say.
36	<i>fallax</i> Say.	36	<i>Planorbis bicarinatus</i> Say.
36	<i>tridentata</i> Say.	36	<i>trivolvæ</i> Say.
36	<i>harpa</i> Say.	36	<i>campanulatus</i> Say.
36	<i>glaphyra</i> Say.	36	<i>armiger</i> Say.
36	<i>inornata</i> Say.	36	<i>exacius</i> Say.

¹ This title gives not the slightest idea of the locality of the species described.

On the same page, *Helix harpa* is said to be an immature Pupa, and *Helix glaphyra*, *inornata*, and *fuliginosa* to be the same species.

On page 200, Dr. Kirtland is spoken of as author of above. *Helix fuliginosa* and *H. glaphyra* are said to be distinct.

Kirtland.—Report on the Zoology of Ohio: by Prof. J. P. KIRTLAND, M. D. Cincinnati, Nov. 1, 1838.

[No descriptions are given, but notes on those against which the stars are affixed.—W. G. B.]

CLASS V.—TESTACEA.

BIVALVE SHELLS.

Page.	No.		Page.	No.	
170	1	<i>Unio Esopus Green.</i>	171	32	<i>Unio iris Lea.</i>
170	2	<i>alatus Say.</i>	171	33	<i>irroratus Lea.</i>
170	* 3	<i>anodontoides Lea.</i>	171	*34	<i>Kirtlandianus Lea.</i>
170	4	<i>asperrimus Lea.</i>	171	35	<i>lævissimus Lea.</i>
170	5	<i>brevidentis Lea.</i>	171	36	<i>lacrymosus Lea.</i>
170	* 6	<i>camelus Lea.</i>	171	37	<i>lens Lea.</i>
170	7	<i>capæforinus Lea.</i>	171	38	<i>luteolus Lam.</i>
171	8	<i>clavus Lam.</i>	171	39	<i>metanevrus Raf.</i>
171	9	<i>circulus Lea.</i>	171	40	<i>multiradiatus Lea.</i>
171	10	<i>coccineus Hildreth.</i>	171	*41	<i>multiplicatus Lea.</i>
171	11	<i>compressus Lea.</i>	171	42	<i>mytiloides Raf.</i>
171	*12	<i>Cooperianus Lea.</i>	171	43	<i>monodontus Say.</i>
171	13	<i>cornutus Barnes.</i>	171	44	<i>nasutus Say.</i>
171	14	<i>crassidens Lam.</i>	171	45	<i>obliquus Lam.</i>
171	*15	<i>crassus Say.</i>	171	*46	<i>occidens Lea.</i>
171	16	<i>cylindricus Say.</i>	171	*47	<i>orbiculatus Hild.</i>
171	*17	<i>declivis Say.</i>	171	48	<i>ovatus Say.</i>
171	18	<i>dehiscens Say.</i>	171	49	<i>parvus Barnes.</i>
171	*19	<i>donaciformis Lea.</i>	171	50	<i>patulus Lea.</i>
171	20	<i>Dorfeullianus Lea.</i>	171	*51	<i>perplexus Lea.</i>
171	21	<i>ebenus Lea.</i>	171	*52	<i>personatus Say.</i>
171	22	<i>elegans Lea.</i>	171	53	<i>phaseolus Hild.</i>
171	23	<i>ellipsalis Lea.</i>	171	54	<i>pileus Lea.</i>
171	24	<i>fabalis Lea.</i>	171	*55	<i>plicatus Say.</i>
171	25	<i>foliatus Hild.</i>	171	56	<i>pustulatus Lea.</i>
171	26	<i>fragosus Conr.</i>	171	57	<i>pustulosus Lea.</i>
171	27	<i>gibbosus Barnes.</i>	171	58	<i>pyramidatus Lea.</i>
171	28	<i>glans Lea.</i>	171	59	<i>Rangianus Lea.</i>
171	29	<i>gracilis Barnes.</i>	171	60	<i>rectus Lam.</i>
171	30	<i>graniferus Lea.</i>	171	61	<i>retusus Lam.</i>
171	31	<i>Hildrethianus Lea.</i>	172	62	<i>rubiginosus Lea.</i>

Page.	No.		Page.	No.	
		Unio—			Margaritana—
172	*63	<i>Schoolcraftensis</i> Lea.	172	*79	<i>calceola</i> Lea.
172	64	<i>securis</i> Lea.	172	80	<i>complanata</i> Lea.
172	65	<i>solidus</i> Lea.	172	81	<i>marginata</i> Lea.
172	66	<i>subovatus</i> Lea.	172	*82	<i>rugosa</i> Lea.
172	67	<i>subrotundus</i> Lea.			Anodonta—
172	68	<i>sulcatus</i> Lea.	172	83	<i>Buchanensis</i> Lea.
172	69	<i>tenuissimus</i> Lea.	172	84	<i>decora</i> Lea.
172	70	<i>triangularis</i> Barnes.	172	85	<i>edentula</i> Lea.
172	71	<i>trigonus</i> Lea.	172	86	<i>Ferrussaciana</i> Lea.
172	72	<i>tuberculatus</i> Barnes.	172	87	<i>imbecilis</i> Say.
172	73	<i>undulatus</i> Barnes.	172	88	<i>ovata</i> Lea.
172	74	<i>varicosus</i> Lea.	172	89	<i>pavonia</i> Lea.
172	75	<i>ventricosus</i> Barnes.	172	90	<i>Pepiniana</i> Lea.
172	76	<i>venustus</i> Lea.	172	91	<i>plana</i> Lea.
172	77	<i>verrucosus</i> Barnes.	172	92	<i>salmonia</i> Lea.
172	78	<i>zigzag</i> Lea.	172	93	<i>Wardiana</i> Lea.

UNIVALVE SHELLS.

172	94	<i>Ancylus rivularis</i> Say.	173	120	<i>Helix obstricta</i> Say.
172	95	<i>Helix albolabris</i> Say.	173	121	<i>palliata</i> Say.
172	96	<i>alternata</i> Say.	173	122	<i>Pennsylvanica</i> Gr.
172	97	<i>appressa</i> Say.	173	123	<i>perspectiva</i> Say.
172	98	<i>arboreus</i> Say.	173	124	<i>profunda</i> Say.
172	99	<i>clausa</i> Say.	173	125	<i>solitaria</i> Say.
173	100	<i>concava</i> Say.	173	126	<i>tridentata</i> Say.
173	*101	<i>diodonta</i> Say.	173	127	<i>Wardiana</i> Lea.
173	102	<i>elevata</i> Say.	173	128	<i>zaleta</i> Lea.
173	103	<i>fallax</i> Say.			Polygyra—
173	104	<i>fraterna</i> Say.	173	129	<i>Dorfeuiliana</i> Lea.
173	105	<i>fuliginosus</i> Griffith.	173	*130	<i>Heleciana</i> .
173	106	<i>glaphyra</i> Say.	173	131	<i>Pupa armifera</i> Say.
173	107	<i>gularis</i> Say.	173	*132	<i>exigua</i> Say.
173	108	<i>harpa</i> Say.	173	133	<i>ovata</i> Say.
173	109	<i>hirsuta</i> Say.	173	134	<i>Succinea avara</i> Say.
173	110	<i>indentata</i> Say.	173	135	<i>ovalis</i> Say.
173	111	<i>inflecta</i> Say.	173	136	<i>retusa</i> Lea.
173	112	<i>inornata</i> Say.	173	137	<i>vermetus</i> Say.
173	113	<i>interna</i> Say.			Cyclostoma—
173	114	<i>labyrinthica</i> Say.	174	138	<i>lapidaria</i> Say.
173	115	<i>ligera</i> Say.	174	139	<i>marginalis</i> Say.
173	116	<i>lineata</i> Say.			Planorbis—
173	117	<i>minuta</i> Say.	174	140	<i>armigerus</i> Say.
173	118	<i>Mitchella</i> Lea.	174	141	<i>bicarinata</i> Say.
173	*119	<i>multilineata</i> Say.	174	142	<i>campanulata</i> Say.

Page. No.		Page. No.	
	Planorbis—		Lymneus—
174 143	<i>exacuous Say.</i>	174 157	<i>umbrosus Say.</i>
174 144	<i>lens Lea.</i>	174 158	<i>Melania caniculata Say.</i>
174 *145	<i>parvus Say.</i>	174 159	<i>conica Say.</i>
174 146	<i>trivolvus Say.</i>	174 160	<i>depygis Say.</i>
174 147	<i>Physa elliptica Lea.</i>	174 *161	<i>isogonica Say.</i>
174 *148	<i>elongata Say.</i>	174 162	<i>Sayii Wood.</i>
174 149	<i>heterostropha Say.</i>	174 *163	<i>Anculosa prærosa Say.</i>
174 *150	<i>Sayii Tappan.</i>	174 *164	<i>Valvata sincera Say.</i>
	Lymneus—	174 *165	<i>tricarinata Say.</i>
174 *151	<i>catascopus Say.</i>	174 166	<i>Paludina decisa Say.</i>
174 152	<i>decidiosus Say.</i>	174 *167	<i>granosa Say.</i>
174 153	<i>elodes Say.</i>	175 *168	<i>heterostropha Kirtl.</i>
174 154	<i>exilis Lea.</i>	175 *169	<i>microstoma Kirtl.</i>
174 155	<i>reflexus Say.</i>	200 170	<i>ponderosa Say.</i>
174 *156	<i>stagnalis Lam.</i>		

Sager.—Report of Dr. ABM. SAGER, Zoologist of the Geological Survey [of Michigan]. Detroit, Jan. 12, 1839. [Without descriptions.]

MOLLUSCA.

CLASS CONCHIFERA.

Section **Lamellipoda.**

Page.		Page.	
13	<i>Cyclas similis Say.</i>	13	<i>Cyclas dubiosa Say.</i>
NAIADAE. FRESH WATER BIVALVES.			
13	<i>Unio plicatus Say.</i>	13	<i>Unio Hildrethianus Lea.</i>
13	<i>alatus Say.</i>	13	<i>siliquoides Barnes.</i>
13	<i>purpureus Say.</i>	13	<i>nasutus Say.</i>
13	<i>fasciolaris Raf.</i>	13	<i>rectus Lam.</i>
13	<i>undulatus Barnes.</i>	13	<i>dilatatus Raf.</i>
13	<i>multiradiatus Lea.</i>	13	<i>tuberculatus Raf.</i>
13	<i>circulus Lea.</i>	13	<i>bullatus Raf.</i>
13	<i>penitus Conr.</i>	13	<i>olivarius Raf.</i>
13	<i>lapillus Say.</i>	13	<i>rubiginosus Lea.</i>
13	<i>compressus Lea.</i>	13	<i>gibbosus Raf.</i>
13	<i>triangularis Barnes.</i>	13	<i>ventricosus Barnes.</i>
13	<i>cariosus Say.</i>	13	<i>Anodonta Ferussaciana Lea.</i>
13	<i>fragilis Raf.</i>	13	<i>cataracta Say.</i>
13	<i>subrotundus Lea.</i>	13	<i>Alasmodonta marginata Say.</i>
13	<i>coelatus Conr.</i>	13	<i>undulata Say.</i>
13	<i>iris Lea.</i>	13	<i>edentula Say.</i>

CLASS MOLLUSCA.

Order Gasteropoda.

Page.

PHYLLIDIANA.

14 *Patella*.

Order Trachelipoda.

COLIMACEA.

Page.		Page.	
14	<i>Helix solitaria Say.</i>	14	<i>Helix ligera Say.</i>
14	<i>albolabris Say.</i>	14	<i>fuliginosa Say.</i>
14	<i>saleta Say.</i>	14	<i>concava Say.</i>
14	<i>multilineata Say.</i>	14	<i>profunda Say.</i>
14	<i>clausa Say.</i>	14	<i>alternata Say.</i>
14	<i>fraterna Say.</i>	14	<i>tridentata Say.</i>
14	<i>fallax Say.</i>	14	<i>inornata Say.</i>
14	<i>hirsuta Say.</i>	14	<i>elevata Say.</i>
14	<i>perspectiva Say.</i>	14	<i>arboreus Say.</i>
14	<i>palliata Say.</i>	14	<i>Pupa ovata Say.</i>
14	<i>inflecta Say.</i>	14	<i>Succinea ovalis Say.</i>
14	<i>thyroidus Say.</i>	14	<i>campestris Say.</i>
14	<i>fraterna Say.</i>		

LYMNEANA.

14	<i>Planorbis trivolvis Say.</i>	15	<i>Physa elongata Say.</i>
14	<i>exacuus Say.</i>	15	<i>Lymneus columellus Say.</i>
14	<i>campanulatus Say.</i>	15	<i>elodes Say.</i>
14	<i>bicarinatus Say.</i>	15	<i>desidiosus Say.</i>
14	<i>Physa heterostrophus Say.</i>	15	<i>stagnalis.</i>

MELANIANA.

15	<i>Melania Virginica Say.</i>	15	<i>Melania depygis Say.</i>
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PERISTOMIANA.

15	<i>Valvata tricarinata Say.</i>	15	<i>Paludina decisa Say.</i>
15	<i>sincera Say.</i>	15	<i>ponderosa Say.</i>

De Kay.—Catalogue of the Animals belonging to the State of New York, as far as they have been figured and described: by J. E. DE KAY. Assembly No. 50. Jan. 1, 1839. (No descriptions.)

MOLLUSCA.

Page.		Page.	
12	<i>Loligo punctata.</i>	12	<i>Helix monodon.</i>
12	<i>Helix thyroidus.</i>	12	<i>hirsuta.</i>
12	<i>albolabris.</i>	12	<i>tridentata.</i>

Page.		Page.	
12	<i>Helix alternata.</i>	12	<i>Alasmodonta undulata.</i>
12	<i>Limneus.</i>	12	<i>Unio purpureus.</i>
12	<i>Melampus bidentatus.</i>	12	<i>cariosus.</i>
12	<i>Turbo rudis.</i>	12	<i>ochraceus</i> and var.
12	<i>palliatu8.</i>	12	<i>Cardita borealis.</i>
12	<i>irroratus.</i>	12	<i>Cardium Mortoni.</i>
12	<i>neretoides.</i>	12	<i>pinnatulum.</i>
12	<i>Scalaria lineata.</i>	12	<i>Donax fossor.</i>
12	<i>Paludina dissicilis.</i>	12	<i>Astarte castanea.</i>
12	<i>Natica heros.</i>	12	<i>Venus gemma.</i>
12	<i>duplicata.</i>	12	<i>mercenaria.</i>
12	<i>Crepidula fornicata.</i>	12	<i>notata.</i>
12	<i>plana.</i>	12	<i>Cytherea convexa.</i>
12	<i>Nassa trivittata.</i>	12	<i>Petricola pholadiformis.</i>
12	<i>obsoleta.</i>	12	<i>Macra lateralis.</i>
12	<i>Columbella avara.</i>	12	<i>solidissima.</i>
12	<i>Ranella caudata.</i>	12	<i>Mya arenaria.</i>
12	<i>Fusus cinereus.</i>	12	<i>Lyonsia hyalina.</i>
12	<i>Chiton inermis.</i>	12	<i>Anatina dubia.</i>
12	<i>Anomia ephippium.</i>	12	<i>Solemya velum.</i>
12	<i>Arca pexata.</i>	12	<i>Pandora trilineata.</i>
12	<i>transversa.</i>	12	<i>Solecurtus caribeus.</i>
12	<i>Modiolus papuanus.</i>	12	<i>costatus.</i>
12	<i>demissus.</i>	12	<i>Sanguinolaria fusca.</i>

De Kay.—(Same as last. Dec. 1839.)

CLASS V. **MOLLUSCA.**

Order I. **Cephalopoda.**

Page.		Page.	
31	<i>Loligo punctata</i> , n. sp.	31	<i>Loligo Pealeii.</i>

Order II. **Pteropoda.**

31 *Clio borealis.*

Order III. **Gasteropoda.**

† **PULMONEA.**

31	<i>Limax lineatus</i> , n. sp.	31	<i>Helix palliata.</i>
31	<i>marmoratus</i> , n. sp.	31	<i>minuta.</i>
31	<i>Helix thyroideus.</i>	31	<i>hirsuta.</i>
31	<i>albolabris.</i>	31	<i>clausa.</i>
31	<i>tridentata.</i>	31	<i>perspectiva.</i>
31	<i>appressa.</i>	31	<i>elevata.</i>

Page.		Page.	
31	<i>Helix zaeleta.</i>	31	<i>Auricula borealis.</i>
31	<i>dentifera.</i>	31	<i>Planorbis trivolvis.</i>
31	<i>subglobosa.</i>	31	<i>bicarinatus.</i>
31	<i>scabra.</i>	31	<i>campanulatus.</i>
31	<i>arborea.</i>	31	<i>parvus.</i>
31	<i>glaphyra.</i>	31	<i>exacnus.</i>
31	<i>lineata.</i>	32	<i>armigerus.</i>
31	<i>fallax.</i>	32	<i>megastoma, n. sp.</i>
31	<i>fraterna.</i>	32	<i>niger n. sp.</i>
31	<i>diodonta.</i>	32	<i>Lymnea catascopium.</i>
31	<i>inornata.</i>	32	<i>desidiosa.</i>
31	<i>indentata.</i>	32	<i>macrostoma.</i>
31	<i>gularis.</i>	32	<i>reticulata n. sp.</i>
31	<i>ligera.</i>	32	<i>reflexa.</i>
31	<i>concava.</i>	32	<i>appressa.</i>
31	<i>profunda.</i>	32	<i>elodes.</i>
31	<i>Pupa corticaria.</i>	32	<i>humilis.</i>
31	<i>exigua.</i>	32	<i>pinguis.</i>
31	<i>pentodon.</i>	32	<i>nigrescens, n. sp.</i>
31	<i>ovata.</i>	32	<i>modicellus.</i>
31	<i>Succinea obliqua.</i>	32	<i>gracilis, n. sp.</i>
31	<i>putris.</i>	32	<i>Physa heterostropha.</i>
31	<i>lineata, n. sp.</i>	32	<i>ancillaria.</i>
31	<i>ovalla.</i>	32	<i>fragilis n. sp.</i>
31	<i>Auricula cornea.</i>	32	<i>elliptica.</i>
31	<i>lineata.</i>		

†† NUDIBRANCHIATA.

32	<i>Doris.</i>	32	<i>Cavolina salmonacea.</i>
32	<i>Tritonia Reynoldsi.</i>	32	<i>Tergipes gymnota.</i>
32	<i>Bolis bostoniensis.</i>		

††† INFEROBRANCHIATA, not observed.

†††† TECTIBRANCHIATA.

32	<i>Bulla fluviatilis.</i>	32	<i>Bulla oryza.</i>
32	<i>insculpta.</i>	32	<i>triticea.</i>

††††† HETEROPODA, not observed.

††††† PECTINIBRANCHIATA.

32	<i>Turbo obligatus.</i>	32	<i>Turbo minutus.</i>
32	<i>irroratus.</i>	32	<i>cinereus.</i>
32	<i>vestitus.</i>	32	<i>multilineatus n. sp.</i>
32	<i>palliatu.</i>	32	<i>Lacuna fusca.</i>
32	<i>inflatus.</i>	32	<i>Pleurotoma bicarinata.</i>
32	<i>incarnatus.</i>	32	<i>Turritella interrupta.</i>

Page.		Page.	
32	<i>Scalaria subulata.</i>	32	<i>Galericulum.</i>
32	<i>Valvata tricarinata.</i>	32	<i>Calyptraea.</i>
32	<i>sincera.</i>	32	<i>Sigaretus glaber.</i>
32	<i>Paludina dissocia.</i>	32	<i>Velutina rupicola.</i>
32	<i>porata.</i>	32	<i>Cryptostoma.</i>
32	<i>lustrica.</i>	32	<i>Marginella carnea.</i>
32	<i>heros n. sp.</i>	32	<i>Trichotropis.</i>
32	<i>Ampullaria paludosa.</i>	32	<i>Cancellaria leonthocyl.</i>
32	<i>Melania multilineata.</i>	32	<i>Buccinum undatum.</i>
32	<i>Lamina trífida.</i>	32	<i>Nassa obsoleta.</i>
32	<i>exigua.</i>	32	<i>trivittata.</i>
32	<i>Natica duplicata.</i>	32	<i>Purpura lapillus.</i>
32	<i>heros.</i>	32	<i>imbricata.</i>
32	<i>triseriata.</i>	33	<i>bizonalis.</i>
32	<i>pusilla.</i>	33	<i>Pasithea nigra.</i>
32	<i>consolidata.</i>	33	<i>Ranella caudata.</i>
32	<i>immaculata.</i>	33	<i>Fusus corneus.</i>
32	<i>Crepidula glauca.</i>	33	<i>cinereus.</i>
32	<i>fornicata.</i>	33	<i>decemcostatus.</i>
32	<i>plana.</i>	33	<i>Fulgur canaliculatus.</i>
32	<i>convexa.</i>		

+++++ SCUTIBRANCHIATA.

33 *Fissurella greca.*

+++++ CYCLOBRANCHIATA.

33	<i>Patella alveus.</i>	33	<i>Chiton pectinatus.</i>
33	<i>candida.</i>	33	<i>fulminatus.</i>
33	<i>amena.</i>	33	<i>sagrinatus.</i>
33	<i>Ancylus rivularis.</i>		

Order IV. Acephala.

† TESTACEA.

33	<i>Ostrea borealis.</i>	33	<i>Modiola papuana.</i>
33	<i>Virginica.</i>	33	<i>glandula.</i>
33	<i>Pecten concentricus.</i>	33	<i>Anodonta cataracta.</i>
33	<i>Anomia ephippium.</i>	33	<i>marginata.</i>
33	<i>Arca pexata.</i>	33	<i>Pennsylvanica.</i>
33	<i>transversa.</i>	33	<i>plana.</i>
33	<i>incongrua.</i>	33	<i>benedictensis.</i>
33	<i>Nucula semisulcata.</i>	33	<i>fragilis.</i>
33	<i>myalis.</i>	33	<i>subcylindracea.</i>
33	<i>Mytilus edulis.</i>	33	<i>edentula.</i>
33	<i>oubitus.</i>	33	<i>Ferussaciana.</i>
33	<i>striatus.</i>	33	<i>Alasmodonta rugosa.</i>

Page.		Page.	
33	<i>Alasmodonta undulata.</i>	33	<i>Venus preopaca.</i>
33	<i>marginata.</i>	33	<i>inequalis.</i>
33	<i>arcuata.</i>	33	<i>gemma.</i>
33	<i>Unio complanatus.</i>	33	<i>Astarte castanea.</i>
33	<i>radiatus.</i>	34	<i>daumoniensis.</i>
33	<i>occidens.</i>	34	<i>Cytherea convexa.</i>
33	<i>luteolus.</i>	34	<i>Petricola pholadiformis.</i>
33	<i>compressus.</i>	34	<i>Corbula.</i>
33	<i>nasutus.</i>	34	<i>Macra solidissima.</i>
33	<i>ochraceus.</i>	34	<i>subtriangularis.</i>
33	<i>cariosus.</i>	34	<i>lateralis.</i>
33	<i>novi-eboraci.</i>	34	<i>tellinoidea.</i>
33	<i>heterodon.</i>	34	<i>nucleus.</i>
33	<i>orassus.</i>	34	<i>Amphidesma corbuloides.</i>
33	<i>gracilis.</i>	34	<i>Mya arenaria.</i>
33	<i>Cardita borealis.</i>	34	<i>Lutraria.</i>
33	<i>Cardium Mortoni.</i>	34	<i>Anatina pretensis.</i>
33	<i>pinnatulum.</i>	34	<i>papyratia.</i>
33	<i>pubescens.</i>	34	<i>Solemya velum.</i>
33	<i>grælandicum.</i>	34	<i>borealis.</i>
33	<i>Donax fossor.</i>	34	<i>Glycimeris siliqua.</i>
33	<i>Cylos similis.</i>	34	<i>Pandora trilineata.</i>
33	<i>dubia.</i>	34	<i>Saxicava distorta.</i>
33	<i>partumeia.</i>	34	<i>Solen ensis.</i>
33	<i>rhomboida.</i>	34	<i>viridis.</i>
33	<i>Cyprina islandica.</i>	34	<i>Solecortus costatus.</i>
33	<i>Tellina tenera.</i>	34	<i>fragilis.</i>
33	<i>sordida.</i>	34	<i>caribæus.</i>
33	<i>lateralis.</i>	34	<i>Sanguinolaria fusca.</i>
33	<i>versicolor.</i>	34	<i>Pholus crispata.</i>
33	<i>Venus mercenaria.</i>	34	<i>lamellata.</i>
33	<i>notata.</i>	34	<i>Teredo navalis.</i>

†† NUDA.

34	<i>Ascidea rustica.</i>	34	<i>Ascidea ovalis.</i>
34	<i>pedunculata.</i>	34	<i>Botryllus stellatus.</i>
34	<i>plicata.</i>	34	<i>Polyclinum.</i>

Order V. Brachiopoda.

34	<i>Terebratula septentrionalis.</i>
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Russell.—Familiar Notice of some of the Shells found in the limits of Essex County, Massachusetts, with reference to descriptions and figures: by JOHN LEWIS RUSSELL. (From Journal of the Essex Co. Natural History Society, June, 1839.)

[With notes, descriptive and geographical.]

Page.		Page.	
49	<i>Teredo navalis.</i>	60	<i>Anodonta implicata Say.</i>
50	<i>Pholas crispata.</i>	61	<i>Modiola papuana Lam.</i>
50	<i>lamellata Turton.</i>	61	<i>plicatula Lam.</i>
51	<i>Solen ensis.</i>	61	<i>Mytilus edulis.</i>
51	<i>Solecortus costatus Say.</i>	62	<i>pellucidus.</i>
	<i>Solen costatus Say.</i>	62	<i>Pecten Magellanicus.</i>
51	<i>Glycymeris siliqua.</i>	62	<i>Anomia ephippium L.</i>
51	<i>Mya mercenaria.</i>	63	<i>Terebratula septentrionalis</i>
52	<i>Anatina Leana.</i>		<i>Couth.</i>
52	<i>Maotra gigantea.</i>	63	<i>Chiton fulminatus Couth.</i>
	<i>M. solidissima Say.</i>	64	<i>Patella alveus Conr.</i>
53	<i>arotata Conr.</i>		<i>Patelloidea Guimard.</i>
53	<i>tellinoides Conr.</i>	64	<i>amœna Say.</i>
53	<i>Solemya velum.</i>		<i>Patelloidea Guimard.</i>
54	<i>Sanguinolaria fusca Conr.</i>	64	<i>Crepidula fornicata.</i>
54	<i>Pandora trilineata Say.</i>	65	<i>plana Say.</i>
54	<i>Saxicava distorta Say.</i>	65	<i>Ancylus rivularis Say.</i>
55	<i>Petricola fornicata.</i>	66	<i>Velutina rupicola.</i>
	<i>P. pholadiformis Lam.</i>		<i>Orynoë glabra Couth.?</i>
56	<i>Tellina polita.</i>	67	<i>Natica heros Say.</i>
56	<i>tenera Say.</i>	67	<i>triseriata.</i>
56	<i>sordida Couth.</i>	67	<i>consolidata Couth.</i>
57	<i>Astarte castanea Say.</i>	67	<i>Melampus bidentatus Mont.</i>
	<i>Crassina Lam.</i>	68	<i>Lacuna pertusa Conr.</i>
	<i>Venus castanea Say.</i>	68	<i>Nassa obsoleta Say.</i>
57	<i>Cyprina Islandica Lam.</i>	68	<i>trivittata.</i>
58	<i>Venus mercenaria.</i>	69	<i>Trichotropis costellatus.</i>
58	<i>gemma Tott.</i>	69	<i>Buccinum undatum.</i>
58	<i>Cardium pinnulatum Conr.</i>	69	<i>Purpura lapillus.</i>
58	<i>Nucula limatula Say.</i>		<i>Buccinum lapillus Lin.</i>
58	<i>tenuisulcata Couth.</i>	70	<i>imbricata Lam.</i>
59	<i>myalis Couth.</i>	70	<i>Fusus decemcostatus Say.</i>
59	<i>Unio complanatus Lea.</i>	70	<i>corneus Say.</i>
	<i>U. purpureus.</i>	71	<i>cinereus Say.</i>
60	<i>radiatus Say.</i>	71	<i>harpularius Couth.</i>
60	<i>nasutus Say.</i>	71	<i>Turritella erosa Couth.</i>
60	<i>Anodonta cataraeta.</i>	72	<i>Turbo palliatus Say.</i>

Page.		Page.	
72	<i>Turbo vestita</i> Say.	74	<i>Rostellaria occidentalis</i>
72	<i>obligatus</i> Say.		<i>Guérin.</i>
73	<i>inflatus</i> Tott.	74	<i>Pyramis striatulus</i> Couth.
73	<i>minutus</i> Tott.	75	<i>Modiola discrepans</i> Mont.
73	<i>incarnatus</i> Couth.	75	<i>Thracia Conrad.</i>
73	<i>cinereus</i> Couth.	75	<i>Bulla triticea</i> Couth.
74	<i>obscurus</i> Couth.	75	<i>Scalaria subulata</i> Couth.
74	<i>Cancellaria buccinoides</i> Cou.	76	<i>Solemya borealis</i> Totten.

Conrad.—Observations on the Genus *Gnathodon*, with description of a New Species: by T. A. CONRAD. (From Am. Journ. Sci. and Art, O. S., vol. xxxviii, No. 1, Oct.-Dec., 1839.)

Page.	Name.	Locality.
92	<i>Gnathodon cuneata</i> .	Gulf of Mexico.
92	<i>Grayi</i> (fossil).	Yorktown, Va.
92	<i>flexuosa</i> Conr. (with a figure).	Florida.

Adams.—Description of Shells: by Prof. C. B. ADAMS. (From same, vol. xxxix, No. 2, 1840.)

Page.	Name.	Locality.
373	<i>Cerithium terebrale</i> Adams.	New Bedford.
374	<i>Planorbis virens</i> Adams.	New Bedford.
374	<i>Limnæa acuminata</i> Adams.	New Bedford & Woburn, Mass.
374	<i>umbilicata</i> Adams.	New Bedford.
374	<i>pallida</i> Adams.	Shoreham, Vt.
375	<i>Cyclas elegans</i> Adams.	

Adams.—Shells of Fresh Pond: by Prof. C. B. ADAMS. (From same, vol. xxxvi, No. 2, 1839. No descriptions.)

Page.		Page.	
392	<i>Unio nasutus</i> .	392	<i>Valvata tricarinata</i> .
392	<i>complanatus</i> .	392	<i>Succinea ovalis</i> .
392	<i>radiatus</i> .	392	<i>Lymnea heterostrophæ</i> .
392	<i>Anodonta implicata</i> .	392	<i>columellaris</i> .
392	<i>Cyclas similis</i> .	392	<i>catascopium</i> .
392	<i>Planorbis trivolvæ</i> .	392	<i>Physa heterostrophæ</i> .
392	<i>bicarlinatus</i> .	392	<i>Paludina decisa</i> .
392	<i>deflectus</i> ?	392	<i>lustrica</i> ?
392	<i>hirsutus</i> , n. s. (descrip.)		
392	<i>Anodonta cataracta</i> = <i>A. implicata</i> .		

Tappan.—Description of some New Shells: by BENJ. TAPPAN, Steubenville, Ohio. (In Am. Journal Science, O. S., vol. xxxv, No. 2. Date of title-page, Jan. 1839.)

Page.	Pl.	Fig.	Name.	Locality.
268	iii	1	<i>Unio Sayii</i> Ward.	Circleville.
269	iii	2	<i>Paludina heterostropha</i> Kirtland.	Mahoning river.
269	iii	3	<i>Physa Sayii</i> Tappan.	Lake Pepin, Ohio.

Jay.—A Catalogue of the Shells, arranged according to the Lamarckian System: together with descriptions of new or rare species contained in the collection of JOHN C. JAY, M. D. Illustrated by several plates. 3d edition, 4to. pp. 126. New York, 1839.

[Vide the fourth edition. The following species are described]:—

Page.	Pl.	Fig.	Name.	Locality.
112	i	8, 9	<i>Paludina scalaris</i> Jay.	Everglades of Florida.
112	i	10, 11	<i>Lymnæa gracilis</i> Jay.	Essex County, N. Y.
113	i	17, 18	<i>Trichotropis costulatus</i> Couth.	Massachusetts Bay.
	iii	7	<i>Ampullaria scalaris</i> Orb.	Mexico.
	v	1, 2	<i>Unio spinosus</i> Lea.	Altamaha river.
122	vii	11	<i>Melania læta</i> Jay.	Alabama.

Couthouy.—Monograph of Osteodesmacea, &c.: by J. P. COUTHOUY. (From Am. Journ. Sci. and Art, O. S., vol. xxxvi, April–July, 1839.) Descriptions of the following American species:—

Page.	Name.	Locality.
383	<i>Thracia Conradi</i> Couth. <i>T. declivis</i> Conrad, non Pennant. <i>Anatina convera</i> Hitchcock's Rep. <i>Thracia corbuloides</i> Kiener.	New England.
384	<i>Osteodesma hyalina</i> Couth. <i>Mya hyalina</i> Conrad. <i>Amphidesma corbuloides</i> Hitchcock's Rep.	
385	<i>Bolla diversa</i> Couth.	Massachusetts Bay.
385	<i>Cochleodesma</i> Couth. (n. g.) ex. <i>Anatina Leana</i> Conr.	
389	<i>Nucula navicularis</i> Couth.	Massachusetts Bay.
389	<i>Bulla lineolata</i> Couth.	Massachusetts Bay.

Page.	Name.	Locality.
390	<i>Bulla hiemalis</i> <i>Couth.</i>	Massachusetts Bay.
390	<i>Gouldii</i> <i>Couth.</i>	Massachusetts Bay.
390	<i>Pleurotoma decussata</i> <i>Couth.</i>	Massachusetts Bay.
390	<i>Anculotus dentatus</i> <i>Couth.</i>	Petomao, Va.

C. B. Adams.—(From same.) Notes on the following shells, and descriptions of new species:—

Page	Name	Locality.
387	<i>Columbella avara</i> <i>Say.</i>	Massachusetts.
387	<i>Buccinum vibex</i> <i>Say. (Nassa.)</i>	Massachusetts.
387	<i>trivittatum</i> <i>Say. (Nassa.)</i>	Massachusetts.
387	<i>obsoletum</i> <i>Say. (Nassa.)</i>	Massachusetts.
388	<i>Purpura lapillus</i> <i>L.</i>	Massachusetts.
388	<i>Fusus cinereus</i> <i>Say.</i>	Massachusetts.
388	<i>Ranella caudata</i> <i>Say.</i>	Massachusetts.
388	<i>Jaminia seminuda</i> <i>Adams.</i>	Dartmouth.
388	<i>Pyramis fusca</i> <i>Adams.</i>	New Bedford.
388	<i>Cerithium Emersonii</i> <i>Adams.</i>	New Bedford, &c.
388	<i>nigrocinctum</i> <i>Adams.</i>	Dartmouth.

A. A. Gould, M. D.—(From same, vol. xxxvii, July–October, 1839.)

Page.	Name.	Locality.
392	<i>Helix aspersa</i> <i>Mull.</i>	Portland, Maine.

Haldeman.—A Monograph of the Limniades and other fresh-water Univalve Shells of North America: by S. STEHMAN HALDEMAN, Member Phila. Acad. Nat. Sci., Philadelphia.

No. I.—July, 1840.

Pa.	Pl.	Fig.	Name.	Locality.
4	i		<i>Paludina decisa</i> <i>Say.</i>	Ohio riv., N.J. streams;
			<i>P. heterostrophæ</i> <i>Kirtland.</i>	Del., Schuylkill, Sus-
			<i>limosa</i> <i>Val.</i>	quehanna rivs.; New
			<i>cornea</i> <i>Val.?</i>	Engl., O.; Fox, Nola-
			<i>ponderosa</i> , jun. <i>Desh.?</i>	chucky, Tenn. rivs.;
				N. W. Terr.
8	ii		<i>subcarinata</i> <i>Say.</i>	Ohio, Del., Schuylkill,
			<i>Helix decisa</i> <i>Wood.</i>	and Susq. rivers.
			<i>P. carinata</i> <i>Val. (removed in errata).</i>	

Pa.	Pl.	Fig.	Name.	Locality.
10	iii		<i>Paludina integra</i> Say.	S. C., O., Miss. r. in Ia.
13	iv		<i>ponderosa</i> Say.	O., Ind., Ill., Tenn., Ala.
15	v		<i>genicula</i> Conr.	Flint river, Ga.
4	of cover		<i>Anculosa littorina</i> Hald.	Holston river, Va.
4	"		<i>Cerithium</i> (Potamis) Californicum Hald.	California.
4	"		<i>Cyclas elevata</i> Hald.	New Orleans.
4	"		Genus <i>Discus</i> (<i>Planorbis armigerus</i>).	

No. II.—January, 1841.

17	vi		<i>Paludina vivipara</i> Lin.	Fla., Ala., Ind., Mo.,
			<i>P. lineata</i> Val.	Mich., Cuba.
23	vii	1-2	<i>Georgiana</i> Lea.	Hopeton, Ga.
24	vii	3, 4	<i>Bengalensis</i> Lam.	Florida.
			<i>P. fasciata</i> Bowd.	
			<i>elongata</i> Swains.	
			<i>multilineata</i> Say.	
26	viii		<i>carinata</i> Val.	Mexico.
28	ix		<i>subpurpurea</i> Say.	Wabash, S. Louis, Wis.
31	x	1-6	<i>intertexta</i> Say.	New Orleans; S. C.
			<i>P. transversa</i> Say.	
3	of cover		<i>Melania rufula</i> Hald.	Lake Pepin.
3	"		<i>Physa fontana</i> Hald.	Pennsylvania.
3	"		<i>Ancylus parallelus</i> Hald.	Vermont.
3	"		Subgenus <i>Angitrema</i> (Ex. <i>Melania armigera</i> Say.)	
3	"		<i>Melania costifera</i> Hald.	Illinois.
3	"		<i>Helix dissimilis</i> Wood = <i>Pal. decisa</i> .	
3	"		<i>Pal. decisa</i> .	N. Y., Va., N. C.
3	"		<i>Helix decisa</i> Wood = <i>Pal. subcarinata</i> .	
3	"		<i>Pal. subcarinata</i> .	Tennessee.

No. III.—July, 1841.

Subgenera of LIMNEA.

5			<i>Limnea</i> Lam.	
5			<i>Radix</i> Mont.	
6			<i>Laptolimnea</i> Swainson.	
6			<i>Bulimnea</i> Hald.	
6			<i>Acella</i> Hald.	
6	i		<i>Limnea catascopium</i> Say.	Mass., N. York, N. W.
			<i>L. pinguis</i> Say?	Terr., Canada, Dela-
			<i>cornea</i> Val.	ware and Schuylkill
			<i>Virginiana</i> Lam.?	rivers, Oregon.
10	ii		<i>emarginata</i> Say.	N. W. Terr., Maine.
10			<i>serrata</i> Hald. (n. sp.?)	

Pa.	Pl.	Fig.	Name.	Locality.
13	iii	1-3	<i>Limnea megasoma</i> Say.	N. W. Terr., Vermont.
15	iii	4-5	<i>rugosa</i> Val.	Mexico.
16	iv		<i>jugularis</i> Say.	N. York, Mich., N. W.
			<i>L. speciosus</i> Rossm.	Terr., Oregon.
			<i>stagnalis</i> (Sill. Journ.)	
3 of cover			<i>Paludina rufa</i> Hald. (pl. iii, fig. 1.)	
3	"		<i>Anculosa fusca</i> Hald.	Oregon.
3	"		<i>Anoylus</i> (Velletea) Nuttall Hald.	Oregon.
3	"		<i>diaphanus</i> Hald.	Ohio.
3	"		<i>Limnea ferruginea</i> Hald.	Oregon.
3	"		<i>Physa</i> (Diastrophia) <i>integra</i> Hald.	Indiana.
3	"		<i>Melania varjcosa</i> Ward.	Ohio.
			<i>M. rufula</i> Hald. (var.?)	
3	"		<i>Bulimus vermetus</i> Anthony.	Ohio.
3	"		<i>Melania inflata</i> Hald.	Alabama river.
3	"		<i>curta</i> Hald.	Ohio river.
3	"		<i>Physa concolor</i> Hald.	Oregon.
3	"		<i>Anculosa</i> (Mudalia) <i>affinis</i> Hald.	Ohio.
4	"		<i>Paludina vitula</i> Raf. = <i>P. Bengalensis</i> .	
4	"		<i>Physa osculans</i> = <i>heterostrophia</i> ?	

No. IV.—January, 1842.

18	v		<i>Limnea appressa</i> Say.	Lake Superior to New
			<i>L. speciosus</i> Ziegl.	England.
20	vi		<i>fragilis</i> Lin.	N. W. Terr., Can., Me.,
			<i>L. elodes</i> Say.	Mass., N. Y., L. Erie,
			<i>palustris</i> Sowb.	Ohio, Pa., Oregon.
24	vii		<i>umbrosa</i> Say.	Mo., N. Y., Ohio, Ind.,
			<i>L. elongatus</i> Say.	Ill., Upper Canada.
26	viii		<i>reflexa</i> Say.	Ohio, Ind., Ill., N. Y.,
			<i>L. palustris</i> var. <i>distortus</i> Rossm.	Lakes Erie and Sup.
			<i>exilis</i> Lea.	
28	ix	1-5	<i>attenuata</i> Say.	Mexico.
29	ix	6-8	<i>expansa</i> Hald.	Vermont.
31	x		<i>desidiosa</i> Say.	New England to Miss.
			<i>L. obrussa</i> Say?	river; lat. 35° to 45°.
			<i>acuta</i> Lea.	
			<i>Philadelphica</i> Lea.	
3 of cover			<i>Anculosa crassa</i> Hald.	Clinch river? Tenn.
3	"		<i>Melania aequalis</i> Hald.	Nolachucky river.
3	"		<i>uncialis</i> Hald.	Beaver cr., N. E. Tenn.
3	"		<i>symmetrica</i> Hald.	Roanoke river, Va.
3	"		<i>bellacrenata</i> Hald.	Alabama.
3	"		<i>Limnea vitrea</i> Hald.	
3	"		<i>Amnicola attenuata</i> Hald.	Montgomery Co., Va.

Pa.	Pl.	Fig.	Name.	Locality.
3	of	cover	<i>Amnicola pallida</i> Hald.	Vermont.
4	"		<i>galbana</i> Hald. (fossil.)	Sussex Co., N. Jersey.
4	"		<i>Sayana</i> Anthony.	
4	"		<i>Melania gracilis</i> vel <i>pulchella</i> Anthony.	Stark Co., O.
4	"		<i>approximata</i> Hald.	Tennessee.
4	"		<i>intersita</i> Hald.	Swan creek, Ind.
4	"		<i>Physa globosa</i> Hald.	Nolachucky river.
4	"		<i>Amnicola pallida</i> Hald.	Middlebury, Vt.
4	"		<i>Paludina carinata</i> Val. (vide supra) = <i>P. multicarinata</i> .	
4	"		<i>Pal. carinata</i> Sw. = <i>P. unicarinata</i> .	

Part V.—July, 1842.

34	xi	1-9	<i>Limnea caperata</i> Say.	Vt., Mass., Ind., Ohio,
			<i>L. umbilicata</i> Adams.	Ill., Pa.
36	xi	10-13	<i>solida</i> Lea.	Oregon.
			<i>L. apicina</i> Lea.	
38	xii		<i>columella</i> Say.	Me., Mass., Pa., Ohio,
			<i>L. chalybea</i> Gould.	S. C., N. W. Terr.
			<i>navicula</i> Val.	
			<i>acuminata</i> Adams.	
			<i>macrostoma</i> Say.	
			<i>coarctata</i> Lea.	
			<i>succiniformis</i> Adams, MSS.	
41	xiii	1-8	<i>humilis</i> Say.	Me. to S. C., Ohio.
			<i>L. modicellus</i> Say.	
			<i>parva</i> Lea?	
44	xiii	9, 10	<i>bulimoides</i> Lea.	Oregon.
45	xiii	11-13	<i>pallida</i> Adams.	Vermont.
47	xiii	14, 15	<i>vitrea</i> Hald.	Ohio? Missouri?
48	xiii	16-18	<i>desidiosa</i> ?	Philadelphia.
			<i>L. obrussa</i> Say.	
49	xiii	19, 20	<i>ferruginea</i> Hald.	Oregon.
50	xiii	21	<i>gracilis</i> Jay.	Lake Champlain.
51	xiii	22, 23	<i>galbana</i> Say (fossil?).	New Jersey.
52	xiv		<i>catascopium</i> ?	Maine.
			<i>L. decollata</i> Mighels.	
53	xv	1	<i>fragilis</i> Lin.	Oregon.
			<i>L. Nuttalli</i> Lea.	

No. VI.—January, 1843.

23	i		<i>Physa heterostropha</i> Say.	Ga., Me., Oregon, N. W.
	ii	1-9	<i>Lymnea heterostropha</i> Say.	Terr., Canada.
			<i>Bulla fontinalis</i> Chem.?	

Pa.	Pl.	Fig.	Name.	Locality.
			<i>crassula</i> Dillw.?	
			<i>Physa aurea</i> Lea.	
			<i>fontana</i> Hald.	
27	iii	1-10	<i>ancillaria</i> Say.	Del. and Conn. rivers.
			<i>P. Sayii</i> Tappan.	
29	ii	11-13	<i>osculans</i> Hald.	Mexico? India?
			<i>Bulla fontinalis</i> Chem.?	
30	ii	10	<i>concolor</i> Hald.	Oregon.
31	iii	11-13	<i>fragilis</i> Mighels.	Maine.
32	iii	1-6	<i>gyrina</i> Say.	Mo., Ind., Ohio, Ver't,
			<i>P. elliptica</i> Lea.	Georgia.
33	iv	7-8	<i>integra</i> Hald.	Indiana.
34	iv	9	<i>scalaris</i> Jay.	Florida.
35	v	1-3	<i>distorta</i> Hald.	Mo., Ohio, Ky.
36	v	4-9	<i>hypnorum</i> Lin.	Mass., Vt., N. Y., West.
			<i>P. elongata</i> Say.	States, Oregon.
			<i>Aplexa hypnorum</i> Gray, &c.	
38	v	10-12	<i>globosa</i> Hald.	Nolachucky river.
			<i>Physella globosa</i> Hald.	
39	iv	12-14	<i>microstoma</i> Hald.	Kentucky, Ohio.
			<i>Physodon microstoma</i> Hald.	
4 of cover			<i>P. striata</i> and <i>P. subarata</i> Mke. = <i>P. heterostropha</i> ?	
4	"		<i>Melania cruentata</i> Mke. = <i>Anculosa prærosa</i> Say.	
4	"		<i>livescens</i> Mke., <i>curta</i> Mke., and <i>fasciata</i> Mke. = <i>M. Virginica</i> .	
4	"		<i>Warderiana</i> Lea = <i>M. simplex</i> Say.	
4	"		<i>acuto-carinata</i> Lea = <i>M. simplex</i> Say.	
4	"		<i>Hildrethiana</i> Lea = <i>M. obovata</i> Say.	
4	"		<i>globula</i> Lea = <i>M. subglobosa</i> Say.	
4	"		<i>virgata</i> Lea = <i>M. subglobosa</i> Say.	
4	"		<i>Cincinnatiensis</i> Lea = <i>Anculosa prærosa</i> Say.	
4	"		<i>Anculosa dentata</i> Lea = <i>A. dentata</i> Couthouy.	
4	"		<i>Melania catenaria</i> Lea (name preoc.)	
4	"		<i>Lymnea fusiformis</i> Lea (name preoc.)	
4	"		<i>Io tenebrosa</i> Lea = <i>Fusus fluviatilis</i> Say.	
4	"		<i>Melania Kirtlandiana</i> Lea = <i>M. exilis</i> Hald.	
4	"		<i>Paludina angulata</i> Lea	} = <i>P. magnifica</i> Conr.
4	"		<i>coosdensis</i> Lea	
4	"		<i>bimonilifera</i> Lea	

No. VII.—January, 1844.

6	i	1-6	<i>Planorbis bicarinatus</i> Say.	N. Engl. to Ga., N. W.
			<i>Helix angulatus</i> Rackett.	Terr. to Tenn.
			<i>P. engonatus</i> Conr.	
			<i>Helisoma bicarinata</i> Swainson.	

Pa.	Pl.	Fig.	Name.	Locality.
9	i	7-11	<i>Planorbis campanulatus</i> Say.	N. Engl., N. Y., Ohio, Ill., N. W. Terr.
11	ii	1-3	<i>glabratus</i> Say.	S. Car., Mexico? New Orleans, Oregon.
13	ii	4-7	<i>trivolvus</i> Say. <i>P. corpulentus</i> Whittemore. <i>regularis</i> Lea. <i>Bulla fluviatilis</i> Say.	New England, N. Y., Pa., N. W. Terr.
15	iii	1-3	<i>trivolvus</i> var. <i>fallax</i> . <i>P. lentus</i> Gould.	Mass., Lake Erie, Ind.?
18	iii	4-6	<i>lentus</i> Say.	New Orleans, S. C.
19	iii	7-9	<i>corpulentus</i> Say.	N. W. Terr., Oregon.
21	iv	1-3	<i>exacutus</i> Say. <i>P. exacutus</i> Say (err. typ.) <i>lens</i> and <i>Brogniarti</i> Lea. <i>Paludina hyalina</i> Lea.	New England, N. York, Western States.
23	iv	16-18	<i>dilatatus</i> Gould. (preoc.?) <i>P. dilatatus</i> Hald.	Mass., O., Del. riv., Md.
25	iv	4-7	<i>deflectus</i> Say. <i>P. virens</i> Adams.	New England, Ohio, N. W. Terr.
27	iv	19-23	<i>parvus</i> Say. <i>P. elevatus</i> Adams.	East., Midd., & West. States, N. W. Terr.
29	iv	8-10	<i>albus</i> Müller. <i>P. hispidus</i> Drap. <i>hirsutus</i> Gld.	N. England, Lake Su- perior, &c.
30	iv	11-15	<i>armigerus</i> Say.	East., West., & Midd. States, N. W. Terr.
4	i	1	<i>Ancylus rivularis</i> Say.	Del. and Susq. rivers, var. in James river.
6	i	2	<i>depressus</i> Hald.	Holston river, Va.
7	i	3	<i>tardus</i> Say.	Wabash, Vermont.
8	i	4	<i>diaphanus</i> Hald.	Ohio.
9	i	5	<i>obscurus</i> Hald.	Nolachucky river.
10			<i>filosus</i> Conr.	Bl'k Warrior riv., Ala.
11	i	6	<i>parallelus</i> Hald. <i>A. rivularis</i> Gould non Say.	New England.
12	i	7	<i>fuscus</i> Adams.	Fresh pond, Cambridge, Mass.
14	i	8	<i>crassus</i> Hald.	Oregon.

Index—*Planorbis parallelus* Say. =*Helix lineata*?

4 of cover	<i>Amnicola tenuipes</i> Couper.	Hopeton, Ga.
4 "	<i>Melania substricta</i> Hald.	Tennessee.
4 "	<i>conica</i> Say (name restored). <i>substricta</i> Hald. (withdrawn from the species).	
4 "	<i>pilula</i> Lea = <i>Anculosa littorina</i> Hald.	

No. VIII. (No date.)

Pa.	Pl.	Fig.	Name.	Locality.
7	1	2, 3	<i>Amnicola decisa</i> Hald.	Susq. & Schuylk. riva.
9	1	4	<i>Cincinnatiensis</i> Anthony. <i>Paludina Cincinnatiensis</i> Anth.	Cincinnati.
10	1	5, 6	<i>limosa</i> Say. <i>Paludina limosa</i> Say. <i>Pal. porata</i> Adams & Gould. <i>A. lustrica</i> Hald. in lett.	Maine to Penn'a and Ohio.
12	1	7	<i>pallida</i> Hald. <i>Pal. lustrica</i> Adams.	Lake Champlain.
13	1	8	<i>porata</i> Say. <i>Paludina porata</i> Say.	Cayuga Lake.
15	1	9	<i>galbana</i> Hald. (fossil).	Sussex Co., N. Jersey.
16			<i>lustrica</i> Say. <i>Paludina lustrica</i> Say.	Cayuga Lake.
17			<i>granum</i> Say. <i>Paludina grana</i> Say.	Philadelphia.
18	1	10	<i>lapidaria</i> Say. <i>Pal. lapidaria</i> Say.	East and west of Alleghanies.
19	1	11	<i>Sayana</i> Anthony, in lett. <i>Cyclostoma Cincinnatiensis</i> Lea.	Cincinnati.
21	1	12	<i>Nickliniana</i> Lea. <i>Paludina Nickliniana</i> Lea.	Virginia.
22	1	13	<i>attenuata</i> Hald. <i>A. elongata</i> in tab.	Montgomery Co., Va.
23	1	14-15	<i>tenuipes</i> Couper.	Georgia.
24			<i>orbiculata</i> Lea.	Ohio, Philadelphia.
24			<i>parva</i> Lea.	Springfield, Ohio.
24			<i>obtusa</i> Lea (<i>Paludina</i>).	Ohio.
5	1, 11		<i>Ampullaria depressa</i> Say. <i>A. paludosa</i> Say. <i>Hopetonensis</i> Lea.	Georgia, Florida.
8			<i>globosa</i> Swainson. <i>A. rotundata</i> Say.	Florida? Calcutta?
10			<i>flagellata</i> Say.	Mexico.
11			<i>urceus</i> Müller. <i>A. rugosa</i> Lam.	Mexico.
11			<i>Paludina intertexta</i> Say. = <i>Ampullaria</i> ?	
11			<i>ponderosa</i> Say, is a true <i>Paludina</i> .	
3	1	1-4	<i>Valvata tricarinata</i> Say. <i>Cyclostoma tricarinata</i> Say. <i>Valvata carinata</i> Sowb. var. <i>simplex</i> Gould. var. ? <i>bicarinata</i> Lea. var. ? <i>unicarinata</i> De Kay.	N. England and Middle States, &c. Schuylkill river.

Pa. Pl. Fig.	Name.	Locality.
6 i 5-10	<i>Valvata sincera</i> Say.	N. W. Terr., Vermont.
9	<i>humeralis</i> Say.	Mexico.
10 i 11-13	<i>pupoides</i> Gould.	Boston.

In a Supplement to Part I.—October, 1840.

1	<i>Melania interrupta</i> Hald.	Tennessee.
1	<i>suturalis</i> Hald.	Ohio.
1	<i>exilis</i> Hald.	Kentucky and Ohio.
1	<i>substriata</i> Hald. for <i>M. conica</i> Say, preocc.	

Subgenera of **ANCULOSA**.

1	<i>Anculosa</i> Say.	
1	<i>Lithasia</i> Hald.	
1	<i>Paludomus</i> Sw.	
1	<i>Hemimitra</i> Sw.	
1	<i>Mudalia</i> Hald.	
1	<i>Anculosa</i> (<i>Lithasia</i>) <i>geniculata</i> Hald.	East Tennessee.
2	(<i>Mudalia</i>) <i>turgida</i> Hald.	
2	<i>Limnea platystoma</i> Hald.	Vermont.
2	<i>expansa</i> Hald.	Vermont.
2	<i>Physa microstoma</i> Hald.	Kentucky and Ohio.
2	<i>distorta</i> Hald.	Ohio.
2	<i>Discus</i> Hald. = <i>Planorbula</i> Hald.	
2	<i>Spirorbis</i> Swains. = <i>Discus</i> .	
2	<i>Helisoma</i> .	
2	<i>Segmentina</i> .	

Subgenera of **PALUDINA**.

2	<i>Paludina</i> Lam.	
2	<i>Lutella</i> Hald.	
2	<i>Tulotoma</i> Hald.	
2	<i>Nematura</i> Benson.	
3	<i>Amnicola</i> G. and H.	

Specimen number of Haldeman's Monograph.—Jan. 1, 1840.

3 i 1	<i>Planorbis bicarinatus</i> Say.	
6	<i>Anculotus littorina</i> Hald.	Holston river, Va.

DR. A. A. GOULD.—(Am. Journal Sci. and Art, O. S., vol. xxxviii. Date of title, April, 1840.)

Page.

193	<i>Delphinula minor</i> Adams = <i>Delphinoidea</i> (<i>Helix</i>) <i>corpuloides</i> Mont.	
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T. J. Whittemore.—(From same.) Notes on—

Page.	Name.	Locality.
193	<i>Planorbis corpulentus</i> .	Vermont.

DR. A. A. Gould.—(From same.) Descriptions of—

Page.	Name.	Page.	Name.
196	<i>Solecortus nitidus</i> Gould.	196	<i>Natica flava</i> Gould.
196	<i>Mastra ovalis</i> Gould.	197	<i>canaliculata</i> Gould.
196	<i>Bulla debilis</i> Gould.	197	<i>Lacuna neritoides</i> Gould.
196	<i>obstricta</i> Gould.	197	<i>Fusus scalariformis</i> Gould.
196	<i>Limnæa chalybea</i> Gould.	197	<i>tornatus</i> Gould.
196	<i>Valvata pupoidea</i> Gould.	197	<i>Buccinum rosaceum</i> Gould.
196	<i>Planorbis hirsutus</i> Gould.		

Page.	Name.	Locality.
396	Notes on <i>Murex tricolor</i> .	California.
396	" <i>bicolor</i> .	California.
396	" <i>Cardium californianum</i> .	California.
396	" <i>Trochus vittatus</i> .	California.
396	" <i>Bulimus undatus</i> .	California.

PROF. C. B. Adams.—(From same.)

Page.	Name.	Locality.
396	Notes on <i>Jaminia producta</i> Adams.	Andover, Mass.
396	" <i>Ancylus fuscus</i> Adams.	Andover, Mass.
396	" <i>Pleurotoma plicata</i> Adams.	New Bedford.
396	" <i>Tornatella puncto-striata</i> Adams.	New Bedford.
396	" <i>Pholas costatus</i> .	New Bedford.

Kirtland.—Fragments of Natural History: by J. P. KIRTLAND, M. D., Prof. Theol. and Prac. Phys., in Med. Coll. Ohio, Cincinnati. No. 1. Habits of the *Naiades*. (Am. Journ. Sci. and Art, O. S., vol. xxxix, No. 1, pp. 164–168. April–June, 1840.

[Notes on sexual difference and byssus, with a list of species of *Unio*, *Alasmodon*, and *Anodon* examined.]

Page.	Name.
165	<i>Unio pileus</i> Lea is male of <i>U. personatus</i> Say.
165	<i>tenuissimus</i> Lea is female of <i>U. velum</i> Say.
165	<i>donaciformis</i> is female of <i>Zigzag</i> .
165	<i>Margaritana deltoidea</i> Lea is male of <i>Alasmodon calceola</i> Lea.
167	<i>Unio zigzag</i> (young), figure a. b.

Anthony.—List of Land and Fresh-water Shells found chiefly in the vicinity of Cincinnati: by J. G. ANTHONY. (No date given; no descriptions.)

No.		No.	
1	<i>Helix albolabris</i> Say.	4	<i>Pupa modesta</i> Say.
2	<i>appressa</i> Say.	1	<i>Succinea avara</i> Say.
3	<i>alternata</i> Say.	2	<i>campestris</i> Say.
4	<i>arboorea</i> Say.	3	<i>ovalis</i> Say.
5	<i>concava</i> Say.	1	<i>Valvata sincera</i> Say.
6	<i>chersina</i> Say.	2	<i>tricarinata</i> Say.
7	<i>clausa</i> Say.	1	<i>Amnicola integra</i> Say.
8	<i>elevata</i> Say.	2	<i>lapidaria</i> Say.
9	<i>electrina</i> Gould.	3	<i>lustrica</i> Say.
10	<i>fuliginosa</i> Griff.	1	<i>Cyclostoma Cincinnatiensis</i> Lea.
11	<i>fraterna</i> Say.		
12	<i>fallax</i> Say.	1	<i>Anculosa præerosa</i> Say.
13	<i>glaphira</i> Say.	1	<i>Physa ancillaria</i> Say.
14	<i>hirsuta</i> Say.	2	<i>elongata</i> Say.
15	<i>inornata</i> Say.	3	<i>heterostrophæ</i> Say.
16	<i>indentata</i> Say.	4	<i>gyrina</i> Say.
17	<i>inflecta</i> Say.	1	<i>Paludina ponderosa</i> Say.
18	<i>interna</i> Say.	2	<i>intègra</i> Say.
19	<i>ligera</i> Say.	3	<i>limosa</i> Say.
20	<i>labyrinthica</i> Say.	4	<i>subcarinata</i> Say.
21	<i>lineata</i> .	5	<i>pallida</i> Lea.
22	<i>limatula</i> Ward.	1	<i>Limnea columella</i> Say.
23	<i>Leai</i> Ward.	2	<i>caperata</i> Say.
24	<i>minuta</i> Say.	3	<i>desiduousa</i> Say.
25	<i>multilineata</i> Say.	4	<i>elodes</i> Say.
26	<i>minuscule</i> Binney.	5	<i>humilis</i> Say.
27	<i>profunda</i> Say.	6	<i>jugularis</i> Say.
28	<i>pallata</i> Say.	7	<i>reflexa</i> Say.
29	<i>perspectiva</i> Say.	8	<i>umbrosa</i> Say.
30	<i>Pennsylvanica</i> Green.	1	<i>Planorbis armigerus</i> Say.
31	<i>rudrata</i> Studer.	2	<i>bicarinatus</i> Say.
32	<i>solitaria</i> Say.	3	<i>campanulatus</i> Say.
33	<i>suppressa</i> Say.	4	<i>corpulentus</i> Say.
34	<i>diodonta</i> Say.	5	<i>concava</i> Anthony.
35	<i>thyroideus</i> Say.	6	<i>deflectus</i> Say.
36	<i>tridentata</i> Say.	7	<i>Brogniartiana</i> Lea.
37	<i>saleta</i> Say.	8	<i>lentus</i> Say.
38	<i>intertexta</i> Binney.	9	<i>parvus</i> Say.
1	<i>Pupa armifera</i> Say.	10	<i>trivolvus</i> Say.
2	<i>contracta</i> Say.	1	<i>Melania canaliculata</i> Say.
3	<i>exigua</i> Say.	2	<i>conica</i> Say.

No.		No.	
3	<i>Melania depygis</i> Say.	36	<i>Unio metanevra</i> Raf.
4	<i>Kirtlandiana</i> Lea.	37	<i>monodontus</i> Say.
5	<i>excurata</i> Conrad.	38	<i>nasutus</i> Say.
6	<i>gracilis</i> Anthony.	39	<i>occidens</i> Lea.
7	<i>Sayii</i> Wood.	40	<i>Ovatus</i> Say.
8	<i>undulata</i> Say.	41	<i>pustulosus</i> Lea.
9	<i>varicosa</i> Ward.	42	<i>perplexus</i> Lea.
1	<i>Cyolas dubia</i> Say.	43	<i>pyramidatus</i> Lea.
2	<i>partumeia</i> Say.	44	<i>pustulatus</i> Lea.
3	<i>similis</i> Say.	45	<i>pileus</i> Lea.
4	<i>rhomboidea</i> Say.	46	<i>phaseolus</i> Hildreth.
1	<i>Unio alatus</i> Say.	47	<i>parvus</i> Barnes.
2	<i>abruptus</i> Say.	48	<i>personatus</i> Say
3	<i>anodontoides</i> Lea.	49	<i>plicatus</i> Say.
4	<i>arctior</i> Lea.	50	<i>politus</i> Say.
5	<i>asperimus</i> Lea.	51	<i>ridibundus</i> Say.
6	<i>Æsopus</i> Green.	52	<i>rectus</i> Lam.
7	<i>crassus</i> Say.	53	<i>rangianus</i> Lea.
8	<i>cicatricosus</i> Say.	54	<i>rubiginosus</i> Lea.
9	<i>cylindricus</i> Say.	55	<i>subovatus</i> Lea.
10	<i>circulus</i> Lea.	56	<i>Schoolcraftensis</i> Lea.
11	<i>compressus</i> Lea.	57	<i>securis</i> Lea.
12	<i>coccineus</i> Lea.	58	<i>sulcatus</i> Lea.
13	<i>Cooperianus</i> Lea.	59	<i>siliquoides</i> Barnes.
14	<i>clavus</i> Lam.	60	<i>Sayii</i> Ward.
15	<i>cuneatus</i> Barnes.	61	<i>triangularis</i> Barnes.
16	<i>cornutus</i> Barnes.	62	<i>tuberculatus</i> Barnes
17	<i>dehiscens</i> Say.	63	<i>torsa</i> Raf.
18	<i>ebenus</i> Lea.	64	<i>trigonis</i> Lea.
19	<i>elegans</i> Lea.	65	<i>tenuissimus</i> Lea.
20	<i>ellipsis</i> Lea.	66	<i>undatus</i> Barnes.
21	<i>fabalis</i> Lea.	67	<i>verrucosus</i> Barnes.
22	<i>formosus</i> Lea.	68	<i>zigzag</i> Lea.
23	<i>foliatus</i> Hildreth.	1	<i>Alasmodonta ambigua</i> Say.
24	<i>fragosa</i> Conrad.	2	<i>calceola</i> Lea.
25	<i>gibbosus</i> Barnes.	3	<i>deltoides</i> Lea.
26	<i>gracilis</i> Barnes.	4	<i>complanata</i> Lea.
27	<i>Graniferus</i> Lea.	5	<i>rugosa</i> Lea.
28	<i>glans</i> Lea.	6	<i>truncata</i> Say.
29	<i>Hildrethianus</i> Lea.	1	<i>Anodonta edentula</i> Say.
30	<i>heros</i> Say.	2	<i>Ferussaciana</i> Lea.
31	<i>irroratus</i> Lea.	3	<i>Wardiana</i> ? Lea.
32	<i>iris</i> Lea.	4	<i>plana</i> Lea.
33	<i>lævissimus</i> Lea.	5	<i>pavonia</i> Lea.
34	<i>lachrymosus</i> Lea.	6	<i>imbecilis</i> Say.
35	<i>multiradiatus</i> Lea.		

Second edition of same. Cincinnati, Jan. 1, 1843.

No.		No.	
1	<i>Amnicola Cincinnatiensis</i> Anthony. <i>Paludina Cincinnatiensis</i> Anthony.	24	<i>Helix elevata</i> Say. <i>H. Knoxvilliana</i> Ferrussac.
2	<i>integra</i> Say. <i>Melania integra</i> Say.	25	<i>fallax</i> Say.
3	<i>Amnicola lapidaria</i> Say. <i>Cyclostoma lapidaria</i> Say.	26	<i>fraterna</i> Say. <i>H. monodon</i> Wood. <i>convexa</i> Deshayes.
4	<i>lustrica</i> Say. <i>Paludina lustrica</i> Say.	27	<i>fuliginosa</i> Griffith. <i>H. lucubrata</i> Say. <i>lævigata</i> Ferrussac.
5	<i>Sayana</i> Anthony. <i>Cyclostoma Sayana</i> Anth. <i>Cincinnatiensis</i> Lea.	28	<i>hirsuta</i> Say. <i>H. fraterna</i> Wood.
6	<i>Anculosa costata</i> Anthony.	29	<i>indentata</i> Say.
7	<i>isogona</i> Say. <i>Melania isogona</i> Say. <i>Paludina pallida</i> Lea.	30	<i>inflecta</i> Say. <i>H. clausa</i> Ferrussac.
8	<i>prætorosa</i> Say. <i>Melania Cincinnatiensis</i> Lea.	31	<i>inornata</i> Say.
9	<i>Ancylus diaphanus</i> Hald.	32	<i>interna</i> Say. <i>H. pomum-Adami</i> Green.
10	<i>rivularis</i> Say.	33	<i>intertexta</i> Binney.
10½	<i>tardus</i> Say.	34	<i>labyrinthica</i> Say.
11	<i>Bulimus lubricus</i> Bruguiere.	35	<i>ligeri</i> Say. <i>H. Rafinesquea</i> Ferrussac. <i>Wardiana</i> Lea.
12	<i>vermetus</i> Anthony.	36	<i>limatula</i> Ward.
13	<i>Cycolas dubia</i> Say.	37	<i>lineata</i> Say.
14	<i>partumela</i> Say.	38	<i>minuscula</i> Binney. <i>H. minutissima</i> Lea.
15	<i>similis</i> Say. <i>C. sulcata</i> Lam.	39	<i>monodon</i> Rackett. <i>H. Leaii</i> Ward.
16	<i>Helix albolabris</i> Say.	40	<i>multilineata</i> Say.
17	<i>alternata</i> Say. <i>H. scabra</i> Lam. <i>radiata</i> Gmelin.	41	<i>palliat</i> Say. <i>H. obstricta</i> Say. <i>denotata</i> Ferrussac. <i>Carocolla helicoides</i> Lea. <i>Carolinensis</i> Lea.
18	<i>appressa</i> Say. <i>H. linguifera</i> Ferrussac.	42	<i>Pennsylvanica</i> Green.
19	<i>arborea</i> Say.	43	<i>perspectiva</i> Say. <i>H. parrula</i> Deshayes.
20	<i>clausa</i> Say. <i>H. Mitchelliana</i> Lea. <i>Mobiliiana</i> Lea.	44	<i>profunda</i> Say. <i>H. Richardi</i> Lam.
21	<i>cherrina</i> Say.	45	<i>pulchella</i> Muller. <i>H. minuta</i> Say. <i>paludosa</i> Montagu.
22	<i>concava</i> Say. <i>H. planorboides</i> Ferrussac.	46	<i>Sayli</i> Binney. <i>H. diodonta</i> Say.
23	<i>electrina</i> Gould.		

No.		No.	
47	<i>Helix solitaria</i> Say.	80	<i>Planorbis campanulatus</i> Say.
48	<i>striatella</i> Anthony.	81	<i>concoavus</i> Anthony.
49	<i>suppressa</i> Say.	82	<i>corpulentus</i> Say.
50	<i>tridentata</i> Say.	83	<i>deflectus</i> Say.
51	<i>thyroidens</i> Say.	84	<i>dilatatus</i> Gould.
52	<i>zalea</i> Say.		<i>P. lens</i> (preoccupied) Lea.
53	<i>Limnea caperata</i> Say.	85	<i>exacutus</i> Say.
54	<i>decidiosa</i> Say.		<i>Paludina hyalina</i> Lea.
	<i>L. acuta</i> Lea.	86	<i>lentus</i> Say.
	<i>Philadelphica</i> Lea.	87	<i>parvus</i> Say.
55	<i>elodes</i> Say.	88	<i>trivolvus</i> Say.
56	<i>humilis</i> Say.	89	<i>Pupa albibrabis</i> Ward.
	<i>L. parva</i> Lea.		<i>Cyclostoma marginata</i> Say.
57	<i>reflexa</i> Say.	90	<i>armifera</i> Say.
	<i>L. exilis</i> Lea.	91	<i>contracta</i> Say.
58	<i>jugularis</i> Say.	92	<i>orticaria</i> Say.
	<i>L. speciosa</i> Rossmasler.	93	<i>exigua</i> Say.
59	<i>umbrosa</i> Say.	94	<i>modesta</i> Say.
59½	<i>columella</i> Say.	94½	<i>pentodon</i> Say.
	<i>L. chalybea</i> Gould.	95	<i>Subcinea campestris</i> Say.
60	<i>Melania canaliculata</i> Say.		<i>S. obliqua</i> Say.
61	<i>conica</i> Say.		<i>retusa</i> Lea.
62	<i>depygis</i> Say.	96	<i>avara</i> Say.
63	<i>exilis</i> Hald.	97	<i>ovalis</i> Say.
	<i>M. Kirtlandianus</i> Lea.		<i>S. aurea</i> Lea.
64	<i>gracilis</i> Anthony.	98	<i>Valvata sincera</i> Say.
65	<i>Sayii</i> Wood.	99	<i>tricarinata</i> Say.
66	<i>exourata</i> Conr.		<i>V. bicarinata</i> Lea.
67	<i>undulata</i> Say.	100	<i>Unio alasmodontinus</i> Barn.
68	<i>varicosa</i> Ward.		<i>U. compressus</i> Lea.
69	<i>Paludina heterostropha</i> Kirt.	101	<i>alatus</i> Say.
70	<i>integra</i> Say.		<i>U. megapterus</i> Raf.
71	<i>ponderosa</i> Say.	102	<i>bullatus</i> Raf.
72	<i>subcarinata</i> Say.		<i>U. prasinus</i> Conrad.
72½	<i>decisa</i> Say.		<i>Schoolcraftensis</i> Lea.
73	<i>Physa ancillaria</i> Say.		<i>pustulosus</i> Lea.
74	<i>elongata</i> Say.		<i>Dorfeuillanus</i> Lea.
75		103	<i>cardium</i> Raf.
76	<i>gyrina</i> Say.		<i>U. ventricosus</i> Barnes.
	<i>P. elliptica</i> Lea.		<i>occidens</i> Lea.
77	<i>heterostropha</i> Say.		<i>subovatus</i> Lea.
	<i>P. aurea</i> Lea.		<i>dolabreiformis</i> Lea.
78	<i>Planorbis armigerus</i> Say.	104	<i>clotricosus</i> Say.
79	<i>bicarinatus</i> Say.		<i>U. varicosus</i> Lea.

- | No. | | No. | |
|-----|---|-----|---|
| 105 | Unio cuneatus Raf.
<i>U. modioliformis</i> Say.
<i>scalenius</i> Raf.
<i>patulus</i> Lea.
<i>decisus</i> Lea. | | <i>U. Troostensis</i> Lea. |
| 106 | crassus Say.
<i>U. ellipsarius</i> Raf.
<i>fasciatus</i> Raf. (young).
<i>ligamentina</i> Lam.
<i>carinatus</i> Barnes.
<i>ellipticus</i> Barnes.
<i>venustus</i> ? Lea. | 119 | Unio leptodon Raf.
<i>U. planus</i> Barnes.
<i>velum</i> Say (female).
<i>purpurascens</i> Swaina.
<i>tenuissimus</i> Lea. |
| 107 | cylindricus Say.
<i>U. solenoides</i> Raf.
<i>naviformis</i> Lam. | 120 | lineolatus Raf.
<i>U. depressus</i> Raf.
<i>securis</i> Lea. |
| 108 | cyphus Raf.
<i>U. Aesopus</i> Green. | 121 | metanevrus Raf.
<i>U. nodosus</i> Barnes. |
| 109 | dilatatus Raf.
<i>U. gibbosus</i> Barnes.
<i>nasutus</i> Lam.
<i>arctior</i> Lea. | 122 | monodontus Say.
<i>U. soleniformis</i> Lea. |
| 110 | flavus Raf.
<i>U. rubiginosus</i> Lea.
<i>trigonus</i> Lea. | 123 | mytiloides Raf.
<i>U. cordatus</i> Raf. (young).
<i>undatus</i> Barnes.
<i>pyramidatus</i> Lea.
<i>solidus</i> Lea. |
| 111 | fasciolus Raf.
<i>U. multiradiatus</i> Lea. | 124 | nasutus Say.
<i>U. rostratus</i> Val.
<i>Vaughanianus</i> ? Lea. |
| 112 | fasciolaris Raf.
<i>U. phaseolus</i> Hild.
<i>planulatus</i> Lea.
<i>camelus</i> Lea. | 125 | nervosus Raf.
<i>U. donaciformis</i> Lea.
<i>zig-zag</i> Lea. |
| 113 | flexuosus Raf.
<i>U. foliatus</i> Hild. | 126 | nigrum Raf.
<i>U. cuneatus</i> Barnes.
<i>gibber</i> Lea. |
| 114 | fragilis Raf.
<i>U. gracilis</i> Barnes. | 127 | nodulatus Raf.
<i>U. pustulatus</i> Lea. |
| 115 | fragosus Conr. | 128 | obliquatus Raf.
<i>U. sulcatus</i> Lea.
<i>ridibundus</i> Say (fem.) |
| 116 | gibbosus Raf.
<i>U. torulosus</i> Raf.
<i>perplexus</i> Lea.
<i>rangianus</i> Lea.
<i>capaxformis</i> Lea. | 129 | obovallis Raf.
<i>U. ebenus</i> Lea. |
| 117 | heros Say.
<i>U. undulatus</i> Say.
<i>multiplicatus</i> Lea. | 130 | Ohioensis Raf.
<i>U. levissimus</i> Lea.
<i>inflatus</i> Lea. |
| 118 | lappillus Say.
<i>U. fabalis</i> Lea. | 131 | olivarius Raf.
<i>U. ellipsis</i> Lea. |
| | | 132 | orbiculatus Hild.
<i>U. abruptus</i> Say. |
| | | 133 | ovatus Say.
<i>U. globosus</i> Lea (female).
<i>capax</i> Green (female). |
| | | 134 | parvus Barnes. |

No.		No.	
134½	Unio personatus Say (female). <i>U. capillaris</i> Say (fem.). <i>pileus</i> Lea (male). <i>plenus</i> Lea (male). <i>Sowerbianus</i> Lea.	149	Unio triquetrus Raf. <i>U. cuneatus</i> Swainson. <i>triangularis</i> Bar. (fem.). <i>formosus</i> Lea (male).
135	plicatus Say. <i>U. variplicatus</i> Lam. <i>costatus</i> Raf. <i>Peruvianus</i> Lam.	150	truncatus Raf. <i>U. elegans</i> Lea.
136	politus Say. <i>U. subrotundus</i> Lea. <i>Kirtlandianus</i> Lea.	151	tuberculatus Raf. <i>U. tuberculosus</i> Val. <i>verrucosus</i> Barnes. <i>U. graniferus</i> Lea (y'ng).
137	quadrolus Raf. <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea. <i>asperimus</i> Lea.	152	undulatus Barnes.
138	rubrum Raf. <i>U. coccineus</i> Hild. <i>Gouldianus</i> Ward, old. <i>catillus</i> Conr.	153	verrucosus Raf. <i>U. tuberculatus</i> Barnes.
139	reflexus Raf. <i>U. cornutus</i> Barnes.	154	Anodonta cataracta Say. <i>A. exilis</i> Lea. <i>salmonea</i> Lea. <i>Pepiniana</i> Lea.
140	rectus Lam. <i>U. latissimus</i> Raf. <i>prælongus</i> Barnes.	155	Ferussaciana Lea. <i>A. ferruginea</i> Lea.
141	Sayi Ward.	156	grandis Say. <i>A. plana</i> Lea. <i>decora</i> Lea (young). <i>gigantea</i> Lea.
142	siliquoides Barnes. <i>U. inflatus</i> Barnes (female). <i>Hydianus</i> Lea.	157	imbecillis Say. <i>A. incerta</i> Lea.
143	stegarius Raf. <i>U. irroratus</i> Lea.	158	lata Raf. <i>U. dehiscens</i> Say. <i>oriens</i> Lea.
144	striatus Raf. <i>U. Cooperianus</i> Lea.	158½	Alasmodonta ambigua Say. <i>U. Hildrethianus</i> Lea.
145	subrostratus Say. <i>U. iris</i> Lea.	159	calceola Lea. <i>A. deltoidea</i> Lea.
146	subrotundus Raf. <i>U. circulus</i> Lea. <i>lens</i> Lea.	160	oomplanata Barnes.
147	teres Raf. <i>U. anodontoides</i> Lea.	161	costata Raf. <i>A. rugosa</i> Barnes.
148	torsus Raf.	162	edentula Say. <i>Anodonta undulata</i> Say. <i>areolata</i> ? Swains. <i>rugosa</i> Swains. <i>Wardiana</i> Lea. <i>pavonia</i> Lea. <i>Buchanensis</i> Lea.
		163	truncata Say.

Haldeman.—Observations on the Melanians of Lamarck: by S. S. HALDEMAN. (Am. Journ. Sci. and Art, O. S., xli, No. 1, pp. 21-23. April-June, 1841.)

Page 22. Description of animal of *Melania Virginia*.

Nicklin.—Des MOULINS' General Considerations on restricting the number of species of the Genera Unio and Anodonta: translated from the French by PHILIP H. NICKLIN, A. M. (Same as last article, pp. 104-116.)

H. C. Lea.—Description of eight new species of shells native to the United States: by H. C. LEA, Philadelphia. (In the American Journal of Science, O. S., vol. xlii, No. 1, Oct.-Dec., 1841. With one plate.)

Page.	Pl.	Fig.	Name.	Locality.
106	i	1	<i>Cyrena purpurea</i> H. C. Lea.	Delaware bay.
107	i	2	<i>Modiola elliptica</i> H. C. Lea.	Delaware bay.
107	i	3	<i>pulex</i> H. C. Lea.	Delaware bay.
108	i	4	<i>Crepidula acuta</i> H. C. Lea.	Delaware bay.
109	i	5	<i>Caryohium exile</i> H. C. Lea.	Wissahiccon cr., Phila.
110	i	6	<i>Pasithea sordida</i> H. C. Lea.	Near Boston.
111	i	7	<i>Actæon parvus</i> H. C. Lea.	Delaware bay.
111	i	8	<i>Cerithium cancellatum</i> H. C. Lea.	Delaware bay.

On p. 106, the following species are quoted by name only from Delaware bay:—

<i>Actæon trifidus</i> Totten.	<i>Cerithium Greenii</i> .
<i>Cerithium terebrale</i> .	<i>Ostrea Canadensis</i> .
<i>nigrocinctum</i> .	

—On page 391 of this volume is a receipt for the preparation of fresh-water shells for the cabinet.

Adams.—On page 392 is a "Note on Mr. H. C. Lea's paper in the last number of this Journal:" by C. B. ADAMS.

Page 392. *Pasithea sordida* = *Actæon trifidus* Totten. (*Odostomia trifida* Gould.)

It is also said not to come from Boston; and, also, *Cerithium Sayii* is not from Boston.

Adams.—Catalogue of the Mollusca of Middlebury, Vermont, and vicinity; with observations: by C. B. ADAMS, Prof. Chem. and Nat. Hist. Middlebury College, Member Bost. Soc. Nat. Hist. (From Am. Journ. Sci., O. S., vol. xl, No. 2, pp. 266–277. January–March, 1841.)

[NOTE.—No descriptions are given, but very full remarks on locality, habits, &c. The paper was also published in pamphlet form, page 236 of the Journal being page 3 of the pamphlet.—W. G. B.]

Page.		Page.	
266	<i>Melania depygis</i> Say.	271	<i>Pupa badia</i> Adams.
266	<i>Paludina decisa</i> Say.	271	<i>albilabris</i> Ward's letter.
267	<i>lustrica</i> Say.		<i>Cyclostoma marginata</i> S.
267	<i>Valvata tricarinata</i> Say.	271	<i>ovata</i> Say.
267	<i>sincera</i> Say (with descr. of animal).		<i>Vertigo ovata</i> Say.
267	<i>Limnæa megasoma</i> Say.	271	<i>contracta</i> Say.
267	<i>appressa</i> Say.	271	<i>exigua</i> Say.
267	<i>gracilis</i> Jay.	271	<i>millium</i> Gould.
268	<i>pallida</i> Adams.	272	<i>Helix albolabris</i> Say.
268	<i>elodes</i> Say.	272	<i>thyroidus</i> Say.
268	<i>umbrosa</i> Say?	272	<i>palliata</i> Say.
	(<i>L. plebeia</i> Gould MSS.)	272	<i>monodon</i> Rackett.
268	<i>desidiosa</i> Say.		<i>H. fraterna</i> Say.
268	<i>caperata</i> Say.	272	<i>conca</i> Say.
268	<i>Physa ancillaria</i> Say.	272	<i>pulchella</i> Müll.
268	<i>heterostropha</i> Say.	273	<i>Sayii</i> Binney.
268	<i>gyrina</i> Say?	273	<i>tridentata</i> Say.
269	<i>elongata</i> Say.	273	<i>labyrinthica</i> Say.
269	<i>Planorbis corpulentus</i> Say.	273	<i>indentata</i> Say.
	<i>P. lentus</i> Say.	273	<i>arborea</i> Say.
269	<i>campanulatus</i> Say.	273	<i>inornata</i> Say.
269	<i>bicarinatus</i> Say.	273	<i>alternata</i> Say.
269	<i>armigerus</i> Say.	273	<i>chersina</i> Say.
269	<i>exacutus</i> Say (<i>exacutus</i> ?)	273	<i>lineata</i> Say.
269	<i>parvus</i> Say.	273	<i>striatella</i> Anthony.
270	<i>elevatus</i> Adams.	273	<i>fuliginosa</i> Griffith.
270	<i>hirsutus</i> Gould.	273	<i>electrina</i> Gould.
270	<i>deflectus</i> Say.		<i>H. Janus</i> Ad. MSS.
270	<i>Succinea obliqua</i> Say.	274	<i>multidentata</i> Binney.
	<i>S. campestris</i> Say?	274	<i>minuscula</i> Binney.
270	<i>ovalis</i> Say.	274	<i>Vitrina pellucida</i> Drap.
270	<i>avara</i> Say.	275	<i>Ancylus parallelus</i> Hald.
	<i>S. vermeta</i> (young).	275	<i>tardus</i> Say.
270	<i>Bulimus lubricus</i> Drap.	275	(Two unknown <i>Limacæ</i> , one evidently <i>Tebennophorus</i>
271	<i>Pupa armifera</i> Say.		<i>Carolinensis</i> .—W. G. B.)

Page.		Page.	
276	<i>Anodonta Benedictensis</i> Lea.	276	<i>Unio compressus</i> Lea.
276	<i>cataracta</i> Say.	276	<i>rectus</i> Lam.
276	<i>Wardiana</i> Lea?	276	<i>ventricosus</i> Barnes.
276	<i>Alasmodonta arcuata</i> Barn.	276	<i>luteolus</i> Lam.
276	<i>rugosa</i> Barnes.	276	<i>complanatus</i> Lea.
276	<i>undulata</i> Say.	277	<i>Cyclas elegans</i> Adams.
276	<i>Unio alatus</i> Say.	277	<i>rhomboida</i> Say.
276	<i>gracilis</i> Barnes.	277	<i>partumela</i> Say.
277	Remarks on geographical distribution of the above species.	277	<i>calyculata</i> Drap.

On page 408 of the same volume, in a supplementary note to the above article, are notes of *Pupa millium* and *Helix striatella*, the last being placed in the synonymy of *Helix rudrata* Studer.

Gould.—Report on the Invertebrata of Massachusetts, comprising the Mollusca, Annelida, and Radiata. Published agreeably to an order of the Legislature, &c.: by A. A. GOULD, M. D. Cambridge, 1841.

MOLLUSCA.

Pa. Fig.		Pa. Fig.	
3	<i>Limax togata</i> Gould.	6	<i>Hells Bostoniensis</i> Gould.
3	<i>tunicata</i> Gould.		<i>E. rufibranchialis</i> Johnston?
4	<i>Doris illuminata</i> Gould.	6	<i>salmonacea</i> Couth.
5	<i>Tritonia arborescens</i> Cuv.	6	<i>diversa</i> Couth.
	<i>Doris arborescens</i> Müll.	7	<i>gymnota</i> Couth.
	<i>Tritonia Reynoldsii</i> Couth.		

CLASS CONCHIFERA.

Family Tubicolaria Lam.

- 26 *Teredo navalis* Lin.

Family Pholadaria Lam.

- | | | |
|----|----------------------------|-----------------------------|
| 27 | <i>Pholas costata</i> Lin. | <i>P. bifrons</i> Da Costa. |
| 27 | <i>crispata</i> Lin. | <i>latus</i> Lister. |

Family Solenacea Lam.

- | | | | |
|----|--|---------|--|
| 28 | <i>Solen ensis</i> Lin. | 31 | <i>Solecortus (Cultellus) fragilis</i> Pult. |
| | <i>S. curvus</i> Lister. | | <i>Solen fragilis</i> Pult. |
| 30 | <i>Solecortus (Cultellus) Caribæus</i> Chem. | | <i>Solecortus fragilis</i> Conr. |
| | <i>Solen caribæus</i> Lam. | | <i>Solen centralis</i> Say. |
| | <i>Solecortus Caribæus</i> Conr. | | <i>Psammobia tæniata</i> Turton. |
| | <i>Guineensis</i> Chem. | 33 25-6 | <i>Maclurea</i> (n. g.) <i>nitida</i> Gould. |

Pl. Fig.		Pl. Fig.	
34 p. 24	Machsera costata Say. <i>Solen costatus</i> Say. <i>Solecurtus costatus</i> Say.	37 27	Panopsea arctica Lam. <i>Glycymeris arctica</i> Lam.
35	Solemya velum Say.	39	Glycymeris siliqua Chemn. <i>Mya siliqua</i> Chemn. <i>G. incrassata</i> Lam. <i>Mya picea</i> Wood.
36	borealis Tott. <i>S. velum</i> Conr.		

Family **Myaria.**

40	Mya arenaria Lin. <i>M. mercenaria</i> Say. <i>acuta</i> Say.	43 37	Corbula contracta Say.
42	truncata Lin.	44	Pandora trilineata Say. <i>P. nasuta</i> Sowerby.

Family **Osteodesmacea.**

46 10	Osteodesma hyalina Conr. <i>Mya hyalina</i> Conr. <i>Lyonsia hyalina</i> Conr.	49 29,	Cochlodesma Leana Conr.
47 28	Anatina papyracea Say. <i>A. papyratia</i> ? Totten. <i>A. fragilis</i> Totten.	30	<i>Anatina Leana</i> Conr.
		50	Thracia Conradi Couth. <i>T. declivis</i> Conr. <i>Anatina convexa</i> Hitch. Cat.

Family **Mactracea** Lam.

51	Mastra solidissima Chemn. <i>M. gigantea</i> Lam. <i>Juteola</i> Loven (young).		<i>Mastra arcata</i> Conr. <i>deaurata</i> Conr. <i>subtriangulata</i> Conr.
53 32	ovalis Gould. <i>M. similis</i> Gray. <i>grandis</i> Desh.	58 38	Mesodesma Jauresli De Joan.
54 34-5	lateralis Say.	59	Montacuta bidentata Mont. <i>Mya bidentata</i> Mont.
56 36	Cumingia tellinoides Conr. <i>Mastra tellinoides</i> Conr.	60 33	Kellia rubra Mont. <i>Cardium rubrum</i> Mont. <i>læve</i> Walker.
57 39	Mesodesma arcata Conr.		<i>Tellina rubra</i> Turton.

Family **Lithophagidæ** Lam.

61 40	Saxicava distorta Say. <i>Mytilus rugosus</i> Lin.	63	Petricola pholadiformis Lam. <i>P. fornicata</i> Say.
		65 41	dactylus Sowb.

Family **Nymphacea** Lam.

66 42	Sanguinolaria fusca Say. <i>Psammobia fusca</i> Say. <i>Tellina inconspicua</i> ? Sowb. <i>Grönländica</i> Beck. <i>Balthica</i> Lin.	67 43	Tellina tenta Say.
67	sordida Couth. <i>Tellina sordida</i> Couth.	68 44	tenera Say.
		69	Lucina radula Mont. <i>Tellina radula</i> Mont. <i>Venus borealis</i> Donovan. <i>Venus spuria</i> Dillwyn. <i>Pectunculus subfuscus</i> Lister.

Pa. Fig.

- 70 **Lucina divaricata** Lin.
Tellina divaricata Lin.
Cardium arcuatum Mont.
Pectunculus parvus Lister.
Strigilla divaricata Turton.

Pa. Fig.

- 71 52 **Lucina flexuosa** Mont.
Tellina flexuosa Mont.
Venus sinuosa Donovan.
Cryptodon flexuosa Turton.

Family **Conchacea** Lam.

- 72 53 **Cycolas similis** Say.
C. sulcata Lam.
73 54 **partumeia** Say.
C. cornea Lam. (var.)
74 55 **elegans** Adams.
75 56 **dubia** Say.
76 45 **Astarte castanea** Say.
Venus castanea Say.
Crassina castanea Lam.
78 46 **sulcata** Mont.
Venus sulcata Mont.
Danmonia Mont.
Danmoniensis Blainv.
Crassina sulcata Turton.
Danmoniensis Lam.
Astarte Danmoniensis Sowb.

- sulcata* Fleming.
Venus Scotica Mont.
80 47 **Astarte lactea** Br. & Sowb.
81 48 **quadrans** Gould.
82 **Cyprina Islandica** Lin.
Pectunculus maximus Lister.
crassus Da Costa.
Venus Islandica Lin.
mercenaria Pennant.
bucardium Born.
Cyprina vulgaris Sowb.
84 49 **Cytherea convexa** Say.
85 67 **Venus mercenaria** Lin.
86 67 **notata** Say.
87 50 **fluctuosa** Gould.
88 51 **gemma** Tott.

Family **Cardiacea** Desh.

- 89 58 **Cardium Islandicum** Lin.
C. ciliatum O. Fabr.
pubescens Couth.
90 57 **pinnulatum** Conr.
91 **Mortoni** Conr.

- 92 **Cardium Groenlandicum** Chem.
Macra radiata Donovan
C. edentulum Sowb.
Aphrodite columba Lea.
94 59 **Cardita borealis** Conr.
Arcturus rudis Humph. MSS.

Family **Arcacea** Lam.

- 95 60 **Arca pexata** Say.
96 **transversa** Say.
97 66 **Nucula thracisiformis** Storer.
98 62 **limatula** Say.
99 **myalis** Couth.
100 61 **sapotilla** Gould.
N. laevigata Gould, olim.
101 **minuta** Gmelin.
Arca minuta Gmelin.
Arca caudata Donovan.

- N. rostrata* Sowb.
tenuisulcata Couth.
102 67 **Nucula Jacksonii** Gld. (fossil Me).
103 **navicularis** Couth.
103 63 **proxima** Say.
105 64 **tenuis** Mont.
Arca tenuis Mont.
Nucula lucida Blanding MSS.

Family Naiades Lam.

- | | |
|---|---|
| <p>Pa. Fig.
107 68, 69, 70 Unio complanatus Sol.
 <i>Mya complanata</i> Sol.
 <i>U. purpureus</i> Say.
 <i>purpurascens</i> Lam.
 <i>violaceus</i> Spengler.
 <i>rarisulcata</i> Lam.
 <i>coarctata</i> Lam.
 <i>rhombula</i> Lam.
 <i>carinifera</i> Lam.
 <i>Georgina</i> Lam.
 <i>glabrata</i> Lam.
 <i>sulcidens</i> Lam.
 <i>fluvialis</i> Green.
109 71 nasutus Say.
 <i>Mya nasuta</i> Wood.
 <i>U. rostratus</i> Valenc.
110 73 radiatus Gmel.
 <i>Mya radiata</i> Gmel.
 <i>U. Virginiana</i> Lam.
 <i>Mya oblongata</i> Wood.
111 72 cariosus Say.
 <i>U. ovata</i> Val.
112 74 ochraceus Say.
 <i>Symphynota ochracea</i> Lea.</p> | <p>Pa. Fig.
113 75 Alasmodon arcuata Barnes.
 <i>Mya margaritifera</i>? Lin.
 <i>Margaritana margaritifera</i> Lea.
115 76 undulata Say.
 <i>Unio undulata</i> Say.
 <i>Alasmodonta undulata</i> Barn.
 <i>Mya undulata</i> Wood.
 <i>Margaritana undulata</i> Lea.
 <i>Unio hians</i> Val.
 <i>Alasmodon undulata</i> Swains.
116 77 marginata Say.
 <i>Unio varicosa</i> Lam.
 <i>Alasmodonta truncata</i>? Say.
 <i>Margaritana marginata</i> Lea.
 <i>Mya rugulosa</i> Wood.
117 80 Anodon fluviatilis Dillw.
 <i>Anodonta cataracta</i> Say.
 <i>Mytilus fluviatilis</i> Dillw.
 <i>illius</i> Sol.
118 78 implicata Say.
 <i>Anodonta Newtoniensi</i>? Lea.
 <i>marginata</i>? Say (young).
120 79 undulata Say.
 <i>A. rugosus</i> Swainson.</p> |
|---|---|

Family Mytilacea Lam.

- | | |
|---|--|
| <p>121 82 Mytilus edulis Lin.
 <i>M. vulgaris</i> Da Costa.
 <i>Musculus subcaruleus</i> Lister.
 <i>M. borealis</i> Lam.
 var. <i>pellucidus</i>.
123 Modiola modiolus Lin.
 <i>Mytilus modiolus</i> Lin.
 <i>papuanus</i> Desh.
 <i>Modiola papuana</i> Lam.
 <i>vulgaris</i> Fleming.
 <i>Mytilus barbatus</i> Lin.
125 81 plicatula Lam.
 <i>Mytilus demissus</i> Dillw.</p> | <p> <i>Mytilus plicatulus</i> Desh.
 <i>Modiola semi-costata</i> Conr.
127 85 Modiola pectinula Gould.
128 86 nexa Gould.
129 83 discrepans Mont.
 <i>Mytilus discrepans</i> Mont.
 <i>discors</i> O. Fabr.
 <i>Modiola laevigata</i> Gray (var.)
130 84 discors Lin.
 <i>Mytilus discors</i> Lin.
 <i>Modiola discrepans</i> Lam.
131 87 glandula Tott.</p> |
|---|--|

Family Pectenides Lam.

- | | |
|---|---|
| <p>132 Pecten magellanicus Gmel.
 <i>Ostrea magellanicus</i> Gmel.
133 89 Islandicus Müll.
 <i>Ostrea Islandica</i> Müll.</p> | <p> <i>Ostrea cinnabarina</i> Born.
 <i>P. Pealeii</i> Conr.
134 88 Pecten concentricus Say.</p> |
|---|---|

Family Ostracea Lam.

Pa. Fig.		Pa. Fig.	
136	Ostrea Virginiana Lister. <i>O. Virginica</i> Gmel. <i>rostrata maxima</i> Chemn. <i>elongata</i> Sol. <i>Canadensis</i> Lam.		<i>O. edulis</i> Lin.
137	<i>borealis</i> Lam. <i>O. Canadensis</i> Brug.	138	Anomia ephippium Lin. <i>Ostreum parvum</i> Lister.
		139 90	<i>aculeata</i> Gmel.
		140	<i>electrica</i> Lin.
		140	<i>squamula</i> Lin.

Family Brachiopoda Lam.

141	Terebratula caput-serpentis Lin. <i>Anomia caput-serpentis</i> Lin. <i>pubescens</i> Dillw.		<i>T. pubescens</i> Desh. <i>septentrionalis</i> Couth.
		142 91	Terebratula patitacea Gmel.

CLASS GASTEROPODA CUVIER.

Family Phyllidiana Lam.

146 20	Chiton apiculatus Say. <i>C. pectinatus</i> Gould, olim.		<i>Patella testudinaria</i> Kaemm. <i>tessellata</i> Müll.
147 22	marginatus Penn. <i>C. cinereus</i> Lowe.		<i>Clealandi</i> Sowb. <i>virginica</i> Müll.
148 23	falminatus Couth.		<i>virginica</i> ? Gmel. <i>amena</i> Say.
149 24	ruber Lowe.		<i>Patelloidea amena</i> Couth.
150 21	albus Mont. <i>C. aselloides</i> Lowe. <i>sagrinatus</i> Couth.		<i>Patelloidea testudinalis</i> Lea. <i>Patella clypeus</i> Brown.
151 19	Emersonianus Couth.		<i>L. Antillarum</i> Sowb.
152	Patella candida Couth.	154 13	Lottia alveus Conr. <i>Patella alveus</i> Conr. <i>Patelloidea alveus</i> Couth.
153 12	Lottia testudinalis Müll. <i>Patella testudinalis</i> Müll.		

Family Cirrobranchiata Blainv.

155 5	Dentalium dentale Lin. <i>D. striatum</i> Mont.		<i>D. attenuatum</i> Say.
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Family Calyptracea Lam.

156 18	Cemoria Noachina Lin. <i>Patella Noachina</i> Lin. <i>apertura</i> Mont. <i>fissurella</i> Müll. <i>Fissurella Noachina</i> Lyell. <i>Puncturella Noachina</i> Lowe. <i>C. Flemingii</i> Leach.		<i>Sipho striata</i> Brown.
		158 17	Crepidula fornicata Lin. <i>Patella fornicata</i> Lin.
		159 16	<i>plana</i> Say.
		160 15	convexa Say. <i>C. unguiformis</i> Lam. ?
		161 14	<i>glauca</i> Say.

Family *Bulleana* Lam.

Pa. Fig.		Pa. Fig.	
162 92	<i>Bulla insculpta</i> Totten. <i>B. solitaria</i> ? Say.	166 97	<i>Bulla canaliculata</i> Say. <i>Volvaria canaliculata</i> Say. <i>Bullina canaliculata</i> Say.
163 100	<i>hiemalis</i> Couth.	167 96	<i>obstricta</i> Gould.
163 94	<i>Gouldii</i> Couth.	168 93	<i>oryza</i> Tott.
164 95	<i>debilis</i> Gould.	169 99	<i>lineolata</i> Couth.
165 98	<i>triticea</i> Couth.		

Family *Colimacea* Lam.

170 101	<i>Helix albolabris</i> Say. <i>Cochlea Virginiana</i> Lister.	185 105	<i>Helix chersina</i> Say.
171 108	<i>thyroidus</i> Say. <i>Cochlea umbilicata</i> Lister. <i>terrestris Virginiana</i> Schroet.	186 117	<i>Pupa contracta</i> Say.
	<i>Mesodon leucodon</i> Raf.	187 118	<i>millium</i> Gould.
172	<i>hortensis</i> Müll. <i>H. subglobosa</i> Binney.	188 119	<i>modesta</i> Say.
173 115	<i>tridentata</i> Say.	189 120	<i>curvidens</i> Gould.
174 113	<i>monodon</i> Rack.	190 121	<i>simplex</i> Gould.
175 116	<i>hirsuta</i> Say. <i>H. fraterna</i> Wood. <i>Stenotrema convexa</i> Raf.	191 122	<i>exigua</i> Say.
176 102	<i>pulchella</i> Müll. <i>Turbo helycinus</i> Lightfoot. <i>H. paludosa</i> Mont., &c. &c. <i>minuta</i> Say.	192 123	<i>fallax</i> Say. <i>Cyclostoma marginata</i> Say. <i>P. fallax</i> ? Say. <i>placida</i> ? Say.
177 114	<i>alternata</i> Say. <i>H. scabra</i> Lam. <i>radiata</i> Gmel.	193 124	<i>Bulimus lubricus</i> Müll. <i>Helix lubrica</i> Müll. <i>Cionella lubrica</i> Jeffr. <i>Achatina lubrica</i> Michaud. <i>Turbo glaber</i> Da Costa. <i>Cochlicopa lubrica</i> Ferrussac. <i>Zua lubrica</i> Leach.
178 112	<i>striatella</i> Anthony.	194 125	<i>Buccinea ovalis</i> Say.
179 103	<i>lineata</i> Say. <i>Planorbis parallelus</i> ? Say.	195 126	<i>campestris</i> Say.
180 104	<i>cellaria</i> Müll. <i>H. nitida</i> Draparnaud. <i>nitens</i> Maton & Rackett. <i>glaphyra</i> Say. <i>Zonites cellarius</i> Gray. <i>lucida</i> Leach.	196 127	<i>avara</i> Say. <i>S. vermeta</i> Say.
181 109	<i>indentata</i> Say.	197 130	<i>Auricula bidentata</i> Say. <i>Melampus bidentatus</i> Say. <i>A. cornea</i> Desh.
182 110	<i>arborea</i> Say.	199 129	<i>denticulata</i> Mont. <i>Voluta denticulata</i> Mont. <i>Actæon denticulatus</i> Fleming. <i>Jaminea denticulata</i> Leach. <i>Conovulus denticulatus</i> Gray. <i>A. myosotis</i> Jeffr. <i>Carychium personatum</i> Mich. <i>A. personata</i> Desh.
183 111	<i>electrina</i> Gould.		
184 106	<i>labyrinthica</i> Say.		

Family *Limneana* Lam.

- | Pa. Fig. | | Pa. Fig. | |
|----------|--|-----------|---|
| 201 131 | <i>Planorbis trivolvis</i> Say.
<i>Cochlea trium orbium</i> Lister.
<i>P. corpulentus</i> Say. | | <i>Cochlea neritoides</i> Lister.
<i>Bulla fontinalis</i> Gmel. (var.)
<i>crassula</i> Dillw.
<i>Limnea heterostrophæ</i> Say. |
| 202 132 | <i>lentus</i> Say. | 213 142 | <i>Physa anodonta</i> Say. |
| 203 134 | <i>bicarlinatus</i> Say.
<i>Helix angulatus</i> Rackett. | 214 143 | <i>elongata</i> Say. |
| 204 133 | <i>campanulatus</i> Say. | 215 144 | <i>Limnæa columella</i> Say.
<i>Lymnæus navicula</i> Val. |
| 205 138 | <i>armigerus</i> Say. | 216 145 | (var.) <i>chalybea</i> Gould. |
| 206 135 | <i>hirsutus</i> Gould. | 217 148 | <i>macrostoma</i> Say.
<i>Limnea acuminata</i> Adams. |
| 207 | <i>elevatus</i> Adams. | 218 149 | <i>umbilicata</i> Adams. |
| 207 136 | <i>deflectus</i> Say.
<i>P. virens</i> Adams (var.) | 218 151 | <i>modicellus</i> Say. |
| 208 137 | <i>exacutus</i> Say.
<i>P. exacuus</i> Say. | 219 150 | <i>desidiosa</i> Say. |
| 209 139 | <i>parvus</i> Say. | 221 146-7 | <i>elodes</i> Say. |
| 210 140 | <i>dilatatus</i> Gould.
<i>P. lens?</i> Lea. | 223 | <i>catascopium</i> Say.
<i>Lymneus cornea</i> Val. |
| 211 141 | <i>Physa heterostrophæ</i> Say.
<i>Bulla fontinalis</i> Indix Orientalis Chemn. | 224 153 | <i>Ancylus rivularis</i> Say. |
| | | 224 152 | <i>fuscus</i> Adams. |

Family *Peristomata* Lam.

- | | | | |
|---------|--|------------|--|
| 225 156 | <i>Valvata tricarinata</i> Say.
<i>Cyclostoma tricarinata</i> Say.
<i>V. carinata</i> Sowb.
(var.) <i>simplex</i> . | 227 p. 144 | <i>Paludina decolisa</i> Say.
<i>P. limosa</i> Val. |
| 226 155 | <i>pupoides</i> Gould. | 229 157 | <i>Amnicola porata</i> Say.
<i>Puludina porata</i> Say. |

Family *Neritacea* Lam.

- | | | | |
|---------|----------------------------|---------|--|
| 231 163 | <i>Natica heros</i> Say. | 238 167 | <i>Natica clausa</i> Br. & Sowb.
<i>N. consolidata</i> Couth.
<i>borealis</i> Beck. |
| 233 165 | <i>triseriata</i> Say. | 239 162 | <i>flava</i> Gould. |
| 234 168 | <i>immaculata</i> Tott. | 240 | <i>Janthina fragilis</i> Lin.
<i>Helix janthina</i> Lin.
<i>Janthina communis</i> Lam. |
| 235 161 | <i>canaliculata</i> Gould. | | |
| 236 164 | <i>duplicata</i> Say. | | |
| 237 166 | <i>pusilla</i> Say. | | |

Family *Macrostomata* Lam.

- | | | | |
|---------|--|---------|---|
| 241 159 | <i>Velutina lævigata</i> Lin.
<i>Helix lævigata</i> Lin.
<i>haliotidea</i> Fabr.
<i>Bulla velutina</i> Müll.
<i>V. capuloidea</i> Blainv.
<i>rupicola</i> Conr. | | <i>Galericulum lævigatum</i> Brown. |
| | | 242 160 | <i>Velutina zonata</i> Gould. |
| | | 244 158 | <i>Sigaretus haliotideus</i> Lam.
<i>Helix haliotidea</i> Lin.
<i>Bulla haliotidea</i> Mont.
<i>Orynos glabra</i> Couth. |

Family Plicacea Lam.

Pa. Fig.

Pa. Fig.

245 188 *Tornatella punoto-striata* Adams.

Family Scalariana Lam.

246 *Vermetus lumbricallis* Lin.
Vermicularia lumbricalis Lam.
Vermetus lumbricalis Lam.
Serpula lumbricalis Lin.

247 189 *Skenea serpuloides* Montagu.
Helix serpuloides Mont.
Turbo serpuloides Turton.
Delphinula? serpuloides Ad.
Delphinoidea serpuloides Brown.

248 *Scalaria Nov-Angliæ* Couth.
249 170* *Groenlandica* Chemn.
Turbo clathrus Grænlandicus
Chemn.
S. planicosta Kiener.
subulata Couth.
250 *lineata* Say.
251 *multistriata* Say.

Family Turbinacea Lam.

252 *Margarita cinerea* Couth.
Turbo cinereus Couth.
Trochus costalis Loven.

253 171* *obscura* Couth.
Turbo obscurus Couth.

254 172* *undulata* Sowb.
Turbo incarnatus Couth.

255 173* *arctica* Leach.
M. helicoides Beek MSS.
Turbo inflatus Totten.
Paludina inflata Menke.

256 174* *argentata* Gould.

257 175* *Littorina rudis* Don.
Turbo rudis Don.
obligatus Say.

259 176* *tenebrosus* Mont.
Turbo tenebrosus Mont.
vestitus Say.

260 177* *palliatu* Say.
Turbo palliatus Say.
neritoidea? Lin.

262 178* *Lacuna vinota* Mont.
Turbo vinctus Mont.

quadrifasciatus Flem.
L. pertusa Conr.
(var.) *fusca*.

263 170 *Lacuna neritoidea* Gould.

265 171 *Cingula minuta* Tott.

266 172 *aculeus* Gould.

267 *Turritella erosa* Couth.

268 173 *interrupta* Tott.

269 174 *Pyramis striatula* Couth.

270 175 *Odostomia producta* Adams.
Jaminia producta Adams.

270 176 *fusca* Adams.
Pyramis fusca Adams.
Jaminia fusca Adams.

272 177 *exigua* Couth.
Jaminia exigua Couth.
Rissoa rupestris Forbes.
Turritella bisuturalis? Say.

273 178 *seminuda* Adams.
Jaminia seminuda Adams.

274 179 *trifida* Tott.
Actæon trifidus Tott.

Family Canalifera Lam.

275 180 *Cerithium Emersonii* Adams.

276 181 *terebrale* Adams.

277 182 *nigrocinotum* Adams.

278 183 *Say* Menke.
C. reticulatum Tott.
Pasithea nigra Tott. (young).

279 184 *Greenii* Adams.

280 185 *Pleurotoma decussata* Couth.

281 186 *bicarinata* Couth.

282 187 *plicata* Adams.

283 190 *Cancellaria Couthouyi* Jay.
C. buccinoides Couth.

- | | |
|--|---|
| <p>Pa. Fig.
 284 Fusus Islandicus Gmel.
 <i>Murex corneus</i> Pennant.
 <i>Islandicus</i> Gmel.
 <i>F. corneus</i> Say.
 <i>Buccinum gracile</i> Da Costa.
 <i>angustus</i> Lister.</p> <p>284 199 (var.) <i>pygmaeus</i>.
 285 200 ventricosus Gmel.
 <i>F. Islandicus</i> Kiener (var.)
 <i>corneus</i> Brown (var.)
 <i>striatus</i> Coll. Par.</p> <p>286 201 tornatus Gould.
 287 202 decemcostatus Say.
 <i>F. carinatus</i> Kiener.
 288 203 scalariformis Gould.
 289 198 Bamffius Don.
 <i>Murex Bamffius</i> Don.</p> | <p>Pa. Fig.
 290 192 Fusus rufus Montagu.
 <i>Murex rufus</i> Mont.
 <i>F. pleurotomarius</i> Couth.
 291 191 harpularius Couth.
 292 193 turricula Montagu.
 <i>Murex turricula</i> Montagu.
 <i>angulatus</i> Don.
 293 muricatus Montagu.
 <i>Murex muricatus</i> Mont.
 294 206 Pyrula canaliculata Lin.
 <i>Murex canaliculatus</i> Lin.
 <i>P. spirata</i> Kiener.
 296 carica Gmel.
 <i>Murex carica</i> Gmel.
 297 204 Ranella caudata Say.</p> |
|--|---|
- Family Alata Lam.**
- 298 205** **Rostellaria occidentalis Beck.**
- Family Pupurifera Lam.**
- | | |
|--|---|
| <p>300 207 Trichotropis borealis Sowb.
 <i>T. costellatus</i> Couth.
 301 Purpura lapillus Lin.
 <i>P. imbricata</i> Lam.
 <i>bizonalis</i> Lam.
 <i>Buccinum lapillus</i> Lin.
 <i>Tritonium lapillus</i> Müll.
 <i>Purpuro-Buccinum</i> Da Costa.
 303 213 Buccinum plicosum Menke.
 <i>Fusus cinereus</i> Say.
 304 208 Donovani Gray.
 <i>B. glaciale</i> Don.
 306 undatum Lin.
 <i>B. crassum rufescens</i> Lister.
 <i>vulgare</i> Da Costa.
 <i>Tritonium undatum</i> Müll.</p> | <p><i>B. striatum</i> Pennant.
 307 209 Buccinum ciliatum O. Fabr.
 <i>Tritonium ciliatum</i> O. Fabr.
 <i>B. ventricosum</i> Kiener.
 308 210 obsoletum Say.
 <i>Nassa obsoleta</i> Say.
 <i>B. Nov-Eboracensis</i> Wood.
 <i>oliviforme</i> Kiener.
 309 211 trivittatum Say.
 <i>Nassa trivittata</i> Say.
 310 212 vibex Say.
 <i>Nassa vibex</i> Say.
 311 195 rosaceum Gould.
 312 196 lunatum Say.
 <i>Nassa lunata</i> Say.</p> |
|--|---|
- Family Columellaria Lam.**
- 313 197** **Columbella avara Say.**
- CLASS CEPHALOPODA CUVIER.**
- | | |
|--|---|
| <p>317 Spirula Peronii Lam.
 <i>Nautilus spirula</i> Lin.</p> | <p>318 Loligo illecebrosa Lesueur.</p> |
|--|---|
- CLASS TUNICATA CUVIER.**
- | | |
|--|---|
| <p>319 Ascidia rustica Lin.
 319 Boltenia reniformis Mac Leay.</p> | <p><i>Ascidia globifera</i> Sabine.
 <i>clavata</i> Fabr.
 320 Botryllus stellatus Pallas.</p> |
|--|---|

Adams.—Description of a new Species of *Thracia*: by C. B. Adams, Prof. Chem. and Nat. History in Middlebury College. (From American Journal of Science, O. S., vol. xliii, No. 1. April–June, 1842.)

Page.	Name.	Locality.
145	<i>Thracia inequalis</i> Adams. (With three wood-cuts.)	Gulf of Mexico.

Adams.—Fresh-Water and Land Shells of Vermont: by C. B. ADAMS, A. M., Prof. Nat. Hist. in Middlebury College. (From Thomson's History of Vermont, Part I. Also published in pamphlet form, 1842.)

[With full descriptions of genera and species, and wood-cuts of some species.]

Page Hist. Pam.		Page Hist. Pam.	
151 1	<i>Paludina decisa</i> Say, fig.	156 6	<i>Planorbis deflectus</i> Say.
152 2	<i>integra</i> Say.	156 6	<i>hirsutus</i> Gould.
152 2	<i>porata</i> Say.	156 6	<i>Succinea obliqua</i> Say, fig.
152 2	<i>lustrica</i> Say.	156 6	<i>ovalis</i> Say.
152 2	<i>Valvata sincera</i> Say.	156 6	<i>avara</i> Say.
152 2	<i>Melania depygis</i> Say, fig.		<i>S. vermata</i> Say.
153 3	<i>Limnæa megasoma</i> Say,	157 7	<i>Bulimus lubricus</i> Dr.
153 3	<i>appressa</i> Say. [fig.	157 7	<i>Pupa milium</i> Gould.
153 3	<i>gracilis</i> Jay.	157 7	<i>ovata</i> Say.
153 3	<i>pallida</i> Adams.	157 7	<i>badia</i> Adams.
153 3	<i>elodes</i> Say.	157 7	<i>armifera</i> Say.
154 4	<i>desidiosa</i> Say.	158 8	<i>albilabris</i> Ward, ined.
154 4	<i>caperata</i> Say.		<i>Cyclostoma marginata</i> B.
154 4	<i>Physa anollaria</i> Say.	158 8	<i>contracta</i> Say.
154 4	<i>heterostropha</i> Say, fig.	158 8	<i>Tappaniana</i> Ward, ined.
154 4	<i>gyrina</i> Say.	158 8	<i>exigua</i> Say, fig.
154 4	<i>hypnorum</i> Dr.	159 9	<i>Helix albolabris</i> Say, fig.
	<i>P. elongata</i> Say.	159 9	<i>thyroidus</i> Say.
155 5	<i>Planorbis trivolvis</i> Say,	159 9	<i>dentifera</i> Binn.
	<i>P. lentus</i> Say. [fig.	159 9	<i>palliat</i> Say.
	<i>corpulentus</i> Say.	159 9	<i>monodon</i> Rack.
155 5	<i>campanulatus</i> Say.		<i>H. fraterna</i> Say.
155 5	<i>bicarinatus</i> Say.	159 9	<i>concava</i> Say.
155 5	<i>armigerus</i> Say.		(incl. <i>H. Vancouverensis</i> Lea.)
155 5	<i>exacutus</i> Say.		
156 6	<i>parvus</i> Say.		

Page Hist. Pam.		Page Hist. Pam.	
159 9	<i>Helix pulchella</i> Müll. <i>H. minuta</i> Say	164 14	<i>Anodonta fluviatilis</i> Dillw.
160 10	<i>Sayii</i> Binn. <i>H. diodontia</i> Say.	165 15	<i>undulata</i> Say.
160 10	<i>tridentata</i> Say.	165 15	<i>Alasmodonta arcuata</i> Barnes, fig.
160 10	<i>labyrinthica</i> Say.	165 15	<i>rugosa</i> Barnes.
160 10	<i>indentata</i> Say.	165 15	<i>undulata</i> Say.
160 10	<i>arborea</i> Say.	166 16	<i>Unio alatus</i> Say, fig. on p. 14.
161 11	<i>electrina</i> Gould.	166 16	<i>gracilis</i> Barnes.
161 11	<i>inornata</i> Say.	166 16	<i>compressus</i> Lea.
161 11	<i>fuliginosa</i> Griff. <i>H. lucubrata</i> Say.		var. <i>plebeius</i> Adams.
161 11	<i>multidentata</i> Binn.	167 17	<i>oomplanatus</i> Lam.
161 11	<i>minuscula</i> Binn.	167 17	<i>siliquoides</i> Barnes.
161 11	<i>lineata</i> Say.	167 17	<i>ventricosus</i> Barnes.
162 12	<i>striatella</i> Anth.	167 17	<i>rectus</i> Lam.
162 12	<i>alternata</i> Say, fig.	168 18	<i>Cycolas elegans</i> Adams, fig.
162 12	<i>chersina</i> Say.	168 18	<i>similis</i> Say.
162 12	<i>Vitrina pellucida</i> Dr.	168 18	<i>rhomboidea</i> Say.
163 13	<i>Limax campestris</i> Binn.	168 18	<i>partumela</i> Say.
163 13	<i>Tebennophorus Carolin-</i> <i>ensis</i> Bosc.	168 18	<i>calyculata</i> Dr.
163 13	<i>Philomysus dorsalis</i> Binn.	169 19	<i>minor</i> Adams.
164 14	<i>Ancylus parallelus</i> Hald.		Notes on—
164 14	<i>tardus</i> Say.	169 19	<i>Limnæa expansa</i> Hald.
164 14	<i>Anodonta Benedictensis</i> Lea, fig. on p. 16.	169 19	<i>Auricula bidentata</i> Say (not in Vermont).
164 14	<i>marginata</i> Say.	169 19	<i>Amnicola porata</i> .
		169 19	<i>lustrica</i> .
		169 19.	<i>pallida</i> Hald.

Prescott.—Catalogue of the Marine, Fluvial, and Terrestrial Shells of Massachusetts: by WILLIAM PRESCOTT, M. D. Lynn, May 8, 1842. [No descriptions.]

No.		No.	
22	<i>Teredo navalis</i> Lin.	29	<i>Machaera costatus</i> Gould. <i>Solecurtus costatus</i> Say
23	<i>Pholas costata</i> Lin.	30	<i>Solemya borealis</i> Tott.
24	<i>crispata</i> Lin.	31	<i>velum</i> Say.
25	<i>Solen ensis</i> Lin.	32	<i>Panopæa arctica</i> Gould. <i>Glycymeris arctica</i> Lam.
26	<i>viridis</i> Say.	33	<i>Glycymeris siliqua</i> Lam.
27	<i>Solecurtus caribæus</i> Conr. <i>Solen caribæus</i> Lam.	34	<i>Mya arenaria</i> Lin. <i>M. mercenaria</i> Say.
28	<i>fragilis</i> Conr. <i>Solen fragilis</i> Pultney. <i>centralis</i> Say.	35	<i>truncata</i> Lin.

No.		No.	
36	<i>Corbula contracta</i> Say.	67	<i>Astarte quadrans</i> Gould.
37	<i>Pandora trilineata</i> Say. <i>P. nasuta</i> Sowb.	68	<i>sulcata</i> Fleming. <i>Venus sulcata</i> Mont. <i>Crassina sulcata</i> Lam. <i>A. danmoniensis</i> Sowb.
38	<i>Osteodesma hyalina</i> Couth. <i>Mya hyalina</i> Conr.	69	<i>Cyprina Islandica</i> Lam. <i>Venus Islandica</i> Lin.
39	<i>Anatina papyratia</i> Say.	70	<i>Cytherea convexa</i> Say.
40	<i>Cochlodesma Leana</i> Couth. <i>Anatina Leana</i> Conr.	71	<i>Venus mercenaria</i> Lin.
41	<i>Thracia Conradi</i> Couth. <i>T. declivis</i> Conr.	72	<i>notata</i> Say.
42	<i>Maetra solidissima</i> Chemn. <i>M. gigantea</i> Lam.	73	<i>præparoa</i> Say (var.)
43	<i>ovalis</i> Gould. <i>M. similis</i> Gray.	74	<i>fluctuosa</i> Gould.
44	<i>lateralis</i> Say.	75	<i>gemma</i> Totten.
45	<i>Cumingia tellinoides</i> Conr. <i>Maetra tellinoides</i> Conr.	76	<i>Cardium Groenlandicum</i>
46	<i>Mesodesma arcata</i> Gould. <i>Maetra arcata</i> Conr.	77	<i>Islandicum</i> Lin. [Chemn. <i>C. pubescens</i> Couth.
47	<i>Jaressii</i> De Joannis.	78	<i>Mortoni</i> Conr.
48	<i>Montacuta bidentata</i> Gould.	79	<i>pinnulatum</i> Conr.
49	<i>Kellia rubra</i> Turton.	80	<i>Cardita borealis</i> Conr.
50	<i>Saxicava distorta</i> Say.	81	<i>Arca pexata</i> Say.
51	<i>Petricola pholadiformis</i> <i>P. fornicata</i> Say. [Lam.	82	<i>transversa</i> Say.
52	<i>dactylus</i> Sowb.	83	<i>Nucula limatula</i> Say.
53	<i>Sanguinolaria fusca</i> Conr. <i>Psammobia fusca</i> Say.	84	<i>minuta</i> Turton. <i>N. tenuisulcata</i> Couth.
54	<i>sordida</i> Gould. <i>Tellina sordida</i> Couth.	85	<i>myalis</i> Couth.
55	<i>Tellina tenera</i> Say.	86	<i>navicularis</i> Couth.
56	<i>tenta</i> Say.	87	<i>proxima</i> Say.
57	<i>calcaria</i> ?	88	<i>sapotilla</i> Gould.
58	<i>Lucina radula</i> Gould. <i>Tellina radula</i> Mont.	89	<i>tenuis</i> Turton.
59	<i>divaricata</i> Lam.	90	<i>thraciæformis</i> Storer.
60	<i>flexuosa</i> Gould. <i>Cryptodon flexuosa</i> Turt.	91	<i>Unio complanatus</i> Lea. <i>U. purpureus</i> Say.
61	<i>Cyclas dubia</i> Say.	92	<i>cariosus</i> Say.
62	<i>elegans</i> Adams.	93	<i>ochraceus</i> Say.
63	<i>partumeia</i> Say.	94	<i>Alasmodon arcuata</i> Barnes.
64	<i>similis</i> Say.	95	<i>marginata</i> Say.
65	<i>Astarte castanea</i> Say. <i>Crassina castanea</i> Lam.	96	<i>undulata</i> Barnes. <i>Unio undulata</i> Say.
66	<i>lactea</i> Brod., Sowb.	97	<i>Anodon fluviatilis</i> Lea. <i>A. cataracta</i> Say.
		98	<i>implicata</i> Say.
		99	<i>undulata</i> Say.
		100	<i>Mytilus edulis</i> Lin.
		101	var. <i>pellucidus</i> Pennant.
		102	<i>Modiola barbata</i> Lam.

No.		No.	
103	<i>Modiola discors</i> Fleming.	139	<i>Bulla hiemalis</i> Couth.
104	<i>discrepans</i> Gould.	140	<i>insculpta</i> Totten.
	<i>Mytilus discrepans</i> Mont.	141	<i>lineolata</i> Couth.
105	<i>glandula</i> Totten.	142	<i>obstricta</i> Gould.
106	<i>modiolus</i> Turton.	143	<i>oryza</i> Totten.
	<i>M. papuana</i> Lam.	144	<i>triticea</i> Couth.
107	<i>nexa</i> Gould.	145	<i>Helix albolabris</i> Say.
108	<i>pectinula</i> Gould.	146	<i>alternata</i> Say.
109	<i>plicatula</i> Lam.		<i>H. scabra</i> Lam.
110	<i>Pecten concentrica</i> Say.	147	<i>arborea</i> Say.
111	<i>Islandicus</i> Chemn.	148	<i>cellaria</i> Muller.
	<i>P. Pealei</i> Conr.	149	<i>ohersina</i> Say.
112	<i>Magellanicus</i> Lam.	150	<i>electrina</i> Gould.
113	<i>Ostrea borealis</i> Lam.	151	<i>hortensis</i> Muller.
	<i>O. edulis</i> Lin.	152	var. <i>subglobosa</i> Binn.
114	<i>Virginiana</i> Lister.	153	<i>lineata</i> Say.
115	<i>Anomia aculeata</i> Gmelin.	154	<i>indentata</i> Say.
116	<i>squamula</i> ? Lin.	155	<i>labyrinthica</i> Say.
117	<i>ephippium</i> Lin.	156	<i>monodon</i> Rackett.
118	<i>Terebratula caput-serpentis</i> Lam.		<i>H. fraterna</i> Say.
	<i>T. septentrionalis</i> Couth.	157	<i>hirsuta</i> Say.
119	<i>psittacea</i> Gmelin.		<i>H. fraterna</i> Wood.
120	<i>Chiton albus</i> Mont.	158	<i>pulchella</i> Muller.
	<i>C. sagrinatus</i> Couth.		<i>H. minuta</i> Say.
121	<i>apiculatus</i> Say.	159	<i>striatella</i> Anthony.
122	<i>Emersonianus</i> Couth.	160	<i>thyroidus</i> Say.
123	<i>fulminatus</i> Couth.	161	<i>tridentata</i> Say.
124	<i>marginatus</i> Pennant.	162	<i>Pupa contracta</i> Say.
125	<i>ruber</i> Lowe.	163	<i>curvidens</i> Gould.
126	<i>Patella candida</i> Couth.	164	<i>exigua</i> Say.
127	<i>Lottia alveus</i> Gould.	165	<i>fallax</i> Say.
128	<i>testudinalis</i> Gould.	166	<i>millum</i> Gould.
	<i>Patella amena</i> Say.	167	<i>modesta</i> Say.
129	One species not identified.	168	<i>simplex</i> Gould.
130	<i>Dentalium dentale</i> Lin.	169	<i>Tappaniana</i> Ward.
131	<i>Cemoria Noachina</i> Gould.	170	<i>Bulimus lubricus</i> Brug.
	<i>Patella Noachina</i> Lin.	171	<i>Succinea avara</i> Say.
132	<i>Crepidula convexa</i> Say.	172	<i>campestris</i> Say.
133	<i>fornicata</i> Lam.	173	<i>ovalis</i> Say.
134	<i>glauca</i> Say.	174	<i>Auricula bidentata</i> Gould.
135	<i>plana</i> Say.		<i>Melampus bidentatus</i> Say.
136	<i>Bulla canaliculata</i> Gould.	175	<i>denticulata</i> Gould.
137	<i>debilis</i> Gould.	176	<i>Planorbis armigerus</i> Say.
138	<i>Gouldii</i> Couth.	177	<i>bicarlinatus</i> Say.
		178	<i>campanulatus</i> Say.

No.		No.	
179	Planorbis deflectus Say.	219	Vermetus lumbricalis Lam.
180	dilatatus Gould.	220	Skenea serpuloides Flem.
181	elevatus Adams.		<i>Delphinula serpuloides</i> Ad.
182	exacutus Say.	221	Soalaria Gronlandica Gld.
183	hirsutus Gould.		<i>S. subulata</i> Couth.
184	lentus Say.	222	lineata Say.
185	parvus Say.	223	multistriata Say.
186	trivialis Say.	224	Nov-Angliæ Couth.
187	virens .	225	Margarita cinerea Gould.
188	Physa ancillaria Say.		<i>Turbo cinereus</i> Couth.
189	elongata Say.	226	argentea Gould.
190	heterostropha Say.	227	arctica Leach.
191	Limnæa columella Say.		<i>Turbo inflatus</i> Totten.
192	var. chalybea Gould.	228	obscura Gould.
193	catascopium Say.		<i>Turbo obscurus</i> Couth.
194	elodes Say.	229	undulata Sowb.
195	desidiosa Say.		<i>Turbo incarnatus</i> Couth.
196	macrostoma Say.	230	Littorina palliata Gould.
	<i>L. acuminata</i> Adams.		<i>Turbo palliatus</i> Say.
197	modicellus Say.	231	rudis Gould.
198	umbilicata Adams.		<i>Turbo obligatus</i> Say.
199	Ancylus fuscus Adams.	232	tenebrosa Gould.
200	rivularis Say.		<i>Turbo vestitus</i> Say.
201	Valvata pupoidea Gould.	233	Lacuna neritoidea Gould.
202	tricarinata Say.	234	vineta Gould.
203	Paludina decisa Say.		<i>L. pertusa</i> Conr.
204	Amnicola porata Say.	235	fusca Adams.
205	Natica canaliculata Gould.	236	Cingula aculeus Gould.
206	clausa Brod.		<i>Turbo aculeus</i> Adams.
	<i>N. consolidata</i> Couth.	237	minuta Gould.
207	duplicata Say.		<i>Turbo minuta</i> Totten.
208	flava Gould.	238	Turritella erosa Couth.
209	heros Say.	239	interrupta Totten.
210	immaculata Totten.	240	Pyramis striatula Couth.
211	pusilla Say.	241	Odostomia exigua Gould.
212	triseriata Say.		<i>Jaminia exigua</i> Couth.
213	One species not identified.	242	fusca Gould.
214	Janthina fragilis Brug.	243	producta Gould.
215	Velutina lævigata Gould.		<i>Jaminia producta</i> Ad.
	<i>V. rupicola</i> Conr.	244	seminuda Gould.
216	zonata Gould.	245	trifida Gould.
217	Sigaretus halliotoideus Lam.		<i>Acteon trifidus</i> Totten.
	<i>Oxynoe glabra</i> Couth.	246	Cerithium Emersonii Ad.
218	Tornatella puncto-striata	247	Greenii Adams.
	Adams.	248	nigrocinetum Adams.

No.		No.	
249	<i>Cerithium terebrale</i> Adams.	268	<i>Ranella caudata</i> Say.
250	<i>Sayi</i> Menke. <i>C. reticulatum</i> Totten.	269	<i>Rostellaria occidentalis</i> Beck.
251	<i>Pleurotoma decussata</i> Couth.	270	<i>Trichotropis borealis</i> Sowb. <i>T. costellatus</i> Couth.
252	<i>bicarinata</i> Couth.	271	<i>Purpura lapillus</i> Lam.
253	<i>plicata</i> Adams.	272	var. <i>imbricata</i> Lam.
254	<i>Cancellaria Couthouyi</i> Jay. <i>C. buccinoides</i> Couth.	273	var. <i>bizonalis</i> Lam.
255	<i>Fusus Bamffius</i> Flem.	274	<i>Buccinum ciliatum</i> Gould. <i>B. ventricosum</i> Kiener.
256	<i>decemcostatus</i> Say.	275	<i>Donovani</i> Gray.
257	<i>harpularius</i> Couth.	276	<i>lunatum</i> Adams.
258	<i>Islandicus Martini</i> . <i>F. corneus</i> Say.	277	<i>obsoletum</i> Adams.
259	<i>muricatus</i> Brown.	278	<i>plicosum</i> Menke. <i>Fusus cinereus</i> Say.
260	<i>rufus</i> Gould.	279	<i>rosaceum</i> Gould.
261	<i>pygmaeus</i> Gould (var.)	280	<i>trivittatum</i> Adams. <i>Nassa trivittata</i> Say.
262	<i>scalariformis</i> Gould.	281	<i>undatum</i> Lin.
263	<i>tornatus</i> Gould.	282	<i>vibex</i> Adams. <i>Nassa vibex</i> Say.
264	<i>turricula</i> Flem.	283	<i>Columbella avara</i> Say.
265	<i>ventricosus</i> Gray. <i>F. Islandicus</i> Kiener (var.)	284	<i>Spirula Peronii</i> Lam.
266	<i>Pyrula canaliculata</i> Brug.		
267	<i>oarica</i> Brug.		

Møller.—Index Molluscorum Groenlandiæ: auctore H. P. C.
MÖLLER. Hafniæ, 1842. [With descriptions.]

CEPHALOPODA.

Page.		Page.	
3	<i>Onycoteuthis Fabricii</i> Möll.	4	<i>Cirrhototeuthis Mulleri</i> Eschr.
	<i>Sepia loligo</i> Fabr.	4	<i>Octopus granulatus</i> . <i>Sepia octopodia</i> Fabr.
3	<i>amosa</i> Möll.		
3	<i>Rossia palpebrosa</i> Owen.		

PTEROPODA.

4	<i>Clione borealis</i> . <i>Clio retusa</i> Fabr.	4	<i>Limacina arctica</i> Sab. <i>Argonauta arctica</i> Fabr.
		4	<i>balea</i> Möll.

GASTEROPODA.

4	<i>Helix Fabricii</i> . <i>Petania Fabricii</i> Beck. <i>H. nitidia</i> Fabr.	4	<i>Pupa Hoppii</i> Möll.
		4	<i>Vitrina angelicæ</i> Beck. <i>Helix pellucida</i> Fabr.

Page.		Page.	
4	<i>Succinea groenlandica</i> Beck.	8	<i>Margarita</i> ? <i>costulata</i> Möll.
4	<i>Lymnaea</i> VahlII.	8	<i>Skenea planorbis</i> .
	<i>Limnophysa VahlII</i> Beck.		<i>Turbo planorbis</i> Fabr.
5	HolbolIII.	9	<i>Litorina Groenlandica</i> Mke.
	<i>Limnoph. HolbolIII</i> Beck.		<i>Nerita litorea</i> Fabr.
5	PingellI.	9	<i>arctica</i> Möll.
	<i>Limnoph. PingellI</i> Beck.		<i>Nerita litoralis</i> Fabr.
5	<i>Planorbis aroticus</i> Beck.		var. <i>retusa</i> .
5	<i>Aeolidia bodocensis</i> ,	9	<i>Lacuna divaricata</i> .
	<i>Doris papillosa</i> Fabr.		<i>Trochus divaricatus</i> Fabr.
5	<i>Tergipes rupium</i> Möll.	9	<i>glacialis</i> Möll.
5	<i>Tritonia arborescens</i> .	9	<i>pallidula</i> Turt.
	<i>Doris arborescens</i> Fabr.	9	<i>Rissoa castanea</i> Möll.
5	<i>AscanII</i> Sars?	9	<i>scrobiculata</i> Möll.
5	<i>Doris liturata</i> Beck.	9	<i>globulus</i> Möll.
6	<i>acutiuscula</i> Stp.	9	<i>saxatilis</i> Möll.
6	<i>obvelata</i> .		<i>Trochus striatellus</i> Fabr.
	<i>D. obvelata</i> Müll.?	9	<i>Turritella lactea</i> Möll.
6	<i>Euplocamus HolbolIII</i> Möll.	10	<i>polaris</i> Beck.
6	<i>Bullæa granulosa</i> .	10	? <i>costulata</i> Möll.
	<i>B. granulosa</i> Sars?	10	<i>Scalaria groenlandica</i> .
6	<i>punctata</i> Möll.		<i>Turbo clathrus Groenlandicus</i> Chemn.
6	<i>Bulla turrita</i> Möll.	10	<i>Eschrichti</i> Holb.
6	<i>corticata</i> Beck.	10	<i>Menestho</i> Möll. (n. g.)
6	<i>Reinhardi</i> Holb.	10	<i>Cl. albula</i> .
	<i>B. insculpta</i> Totten?		<i>Turbo albulus</i> Fabr.
6	<i>subangulata</i> Möll.	10	<i>Velutina haliotoides</i> .
7	<i>Natica septentrionalis</i> Beck.		<i>Helix haliotoides</i> Fabr.
7	<i>groenlandica</i> Beck.	10	<i>lanigera</i> Möll.
	<i>N. borealis</i> Brod. & Sowb.	10	<i>Sigaretus</i> ? <i>Groenlandicus</i>
7	<i>cornea</i> Möll.		Möll.
	an <i>N. fragilis</i> Sab. var.?	11	<i>Buccinum glaciale</i> Lin.
7	<i>nana</i> Möll.	11	<i>scalariforme</i> Beck.
7	<i>Amaura</i> Möll. (n. g.)	11	<i>undulatum</i> Möll.
7	<i>candida</i> Möll.	11	<i>cyaneum</i> Beck.
8	<i>Margaritastriata</i> Brod., Sowb.		<i>B. undatum</i> Fabr.
	var. <i>groenlandica</i> .	12	<i>Humphreysianum</i> Bena.
8	<i>undulata</i> Sowb.	12	<i>ciliatum</i> .
	var. <i>lævior</i> .		<i>Trit. ciliatum</i> Fabr.
	var. <i>trochiformis</i> .	12	<i>Purpura lapillus</i> Lam.
	<i>Trochus cinerarius</i> Fabr.	12	<i>Trichotropis Atlantica</i> Beck.
8	<i>helicina</i> .	12	<i>conica</i> Möll.
	<i>Trochus helycinus</i> Fabr.	12	<i>Mangelia HolbolIII</i> Beck.
8	<i>glauca</i> Möll.	12	<i>Defrancia nobilis</i> Möll.
8	<i>VahlII</i> Möll.		

Page.		Page.	
12	<i>Defrancia scalaris</i> Möll.	15	<i>Fusus laterioeus</i> Möll.
12	<i>exarata</i> Möll.	15	<i>Kroyeri</i> Möll.
13	<i>Woodiana</i> Möll.	15	<i>Islandicus</i> Lin.
	<i>Pleur. turricula</i> Wood.	15	<i>Holbollii</i> Möll.
13	<i>elegans</i> Möll.	15	<i>Mitra Groenlandica</i> Beck.
13	<i>cinerea</i> Möll.	15	<i>Admete Kröyer</i> (n. g.)
13	<i>Pingellii</i> Beck.	15	<i>crispa</i> Möll.
13	<i>Vahllei</i> Beck.	16	<i>Lottia testudinalis</i> .
13	<i>cylindracea</i> Möll.		<i>Patella testudinalis</i> Lin.
14	<i>Beckii</i> Möll.	16	<i>Cemoria fissurella</i> .
14	<i>livida</i> Möll.		<i>Patella fissurella</i> Müll.
14	<i>viridula</i> .	16	<i>Patella cerea</i> Möll.
	<i>Tritonium viridulum</i> Fabr.		an <i>P. candida</i> Couth.?
14	<i>Trophon Fabricii</i> Beck.	16	<i>rubella</i> Fabr.
14	<i>clathratum</i> .	16	<i>Chiton ruber</i> Lin.
	<i>Trit. clathratum</i> Fabr.		<i>C. marmoreus</i> Fabr.
14	<i>Banffii</i> .		var. <i>unicolor</i> .
	<i>Murex Banffii</i> Donov.		<i>cinereus</i> Fabr.
14	<i>Fusus carinatus</i> Lam.?	16	<i>albus</i> Lin.
	var. <i>ventricosa</i> .		

ACEPHALA.

16	<i>Pecten Islandicus</i> Chem.	19	<i>Modolia faba</i> .
16	<i>Lima sulcata</i> Leach.		<i>Mytilus faba</i> Fabr.
17	<i>Nucula tenuis</i> Gray.	19	? <i>clercula</i> Möll.
17	<i>corticata</i> Holb.	19	? <i>vitrea</i> Holb.
17	<i>lenticula</i> Möll.		an <i>Myt. decussatus</i> Mont.
17	<i>Leda buccata</i> Stp.	19	<i>Astarte arctica</i>
	an <i>Nuc. rostrata</i> Lam.?		<i>Crassina arctica</i> Gray.
	var. <i>brevis</i> .	19	<i>semisulcata</i> .
	var. <i>laevior</i> .		<i>Crassina semisulcata</i> Gray.
17	<i>macilenta</i> Stp.	19	<i>Banksii</i> .
17	<i>minuta</i> .		<i>Nicania Banksii</i> Sab.
	<i>Arca minuta</i> Fabr.	20	<i>striata</i> .
	var. <i>tumida</i> .		<i>Nicania striata</i> Leach.
17	<i>complanata</i> Möll.	20	<i>globosa</i> Möll.
18	<i>Yoldia</i> Möll. (n. g.)	20	<i>Cardium Groenlandicum</i>
18	<i>arctica</i> .		Chemn.
	<i>Nucula arctica</i> Gray.		<i>Venus Islandica</i> Fabr.
19	<i>angularis</i> Möll.	20	<i>Islandicum</i> Chemn.
	<i>Nucula myalis</i> Couth.		<i>C. ciliatum</i> Fabr.
19	<i>Mytilus edulis</i> Lin.	20	<i>elegantulum</i> Beck.
19	<i>Modiola discrepans</i> Sowb.	20	<i>Lessea minuta</i> .
19	<i>discors</i> .		<i>Venus minuta</i> Fabr.
	<i>Mytilus discors</i> Lin.	20	<i>Tellina calcarea</i> Gmel.

Page.		Page.	
20	Tellina fragilis.	21	Mya truncata <i>Lin.</i>
	<i>Venus fragilis</i> Fabr.	21	arenaria <i>Lin.</i>
20	Cryptodon flexuosum.	21	Hiatella arotica.
	<i>C. flexuosum</i> Turt. ?		<i>Mya arctica</i> Fabr.
20	Cyclas Steenbuchii <i>Möll.</i>		<i>byssifera</i> Fabr.
20	Pandorina arenosa <i>Möll.</i>	21	Teredo navalis <i>Lin. ?</i>
21	Thracia myopala <i>Beck.</i>		

TUNICATA.

21	Chelyosoma Macleayanum	22	Ascidia echinata <i>Lin.</i>
	<i>Brod. & Sowb.</i>	22	conchilega <i>Müll.</i>
21	Cynthia glutinans <i>Möll.</i>	22	complanata <i>Fabr.</i>
22	Ascidia monoceros <i>Möll.</i>	22	lurida <i>Möll.</i>
22	pyriformis <i>Rathke.</i>	22	Clavelina crystallina <i>Möll.</i>
22	villosa <i>Fabr.</i>	22	Boltenia reniformis <i>M'Leay.</i>
22	quadridentata <i>Lin.</i>		<i>Ascidia clavata</i> <i>Fabr.</i>
22	rustica <i>Lin.</i>	22	ciliata <i>Möll.</i>

BRACHIOPODA.

- 23 **Terebratula psittacea** *Lam.*
-
- 23 **Doris fusca** *Fabr.*



(There are also diagnoses of undetermined nudibranchiate Gasteropods.
—W. G. B.)

Conrad.—Description of three new Species of *Unio* from the Rivers of the United States: by T. A. CONRAD. (From Journ. Phila. Acad. Nat. Sci., vol. viii, 1842.)

Page.	Name.	Locality.
178	Unio perplicatus <i>Conrad.</i>	Jackson, La.
179	nodiferus <i>Conrad.</i>	Jackson, La.
179	parallelus <i>Conrad.</i>	Jackson, La.

Philipps.—Description of a new American Species of the Genus *Helix*: by J. S. PHILIPPS. (From same.)

Page.	Name.	Locality.
182	Helix lasmodon <i>Philipps.</i>	Alabama.

Haldeman.—Description of five new Species of North American Fresh-water Shells: by S. S. HALDEMAN. (From same.)

Page.	Name.	Locality.
200	<i>Amnicola attenuata</i> Hald.	Montgomery Co., Va.
200	<i>lapidaria</i> Say (notes on).	
200	<i>Sayana</i> Anthony (notes on).	
200	<i>Cincinnatiensis</i> Lea = <i>Sayana</i> (notes on).	
200	<i>Melania integra</i> = <i>Amnicola</i> (notes on).	
200	<i>Physa globosa</i> Hald.	Nolachucky river.
201	<i>Unio puniceus</i> Hald.	Holston river, Va.
202	<i>abacus</i> Hald.	Holston river, Tenn.
202	<i>Anodon plicatus</i> Hald.	Cumberland riv., Tenn.

De Kay.—Zoology of New York: by JAMES E. DE KAY. Part V. Mollusca 4to. pp. 271, 40 plates. Albany, 1843.

(The State Report. Descriptions of the families, genera, &c. are also given. The letters e. l. are placed against the species described as extra limital; many of the other species, however, had not been detected in the State.)

CEPHALOPODA.

Sepiadæ.

Page.	Plate.	Fig.	Name.	Locality.
3	i	1	<i>Loligo punctata</i> De Kay.	
4	xxxviii	354	<i>Pealeii</i> Les., e. l.	South Carolina.
4			<i>ilicebrosa</i> Les., e. l.	Massachusetts.
4			<i>Bartlingii</i> Les., e. l.	Gulf stream.
4	xxxviii	353	<i>pavo</i> Les., e. l.	Massachusetts.
4	xxvii	352	<i>Bartrami</i> Les., e. l.	Coast of U. S.
4	xxvii	351	<i>brevipinna</i> Les., e. l.	Delaware bay.

Siphonidæ.

5	xxv	332	<i>Spirula Peronii</i> Lam.
			<i>Nautilus spirula</i> Linn.
			<i>Spirula australis</i> Cuvier.

PTEROPODA.

Clionidæ.

6	i	2	<i>Clio borealis</i> Linn.
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GASTEROPODA.

NUDIBRANCHIA.

Doridæ.

8			<i>Doris illuminata</i> Gould, e. l.	Boston bay.
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Tritonidae.

Page. Plate.	Fig.	Name.	Locality.
8 v	94	Tritonia Reynoldsi Couth. <i>T. arborescens</i> Gould.	
Glaucidae.			
9 v	96	Holidia Bostoniensis Couth. <i>Eolis Bostoniensis</i> Couth. <i>rudibranchialis</i> Gould?	
9 v	97	diversa Couth. <i>Eolis diversa</i> Couth.	
10 v	95	gymnota Couth. <i>Eolis (Tergipes) gymnota</i> Couth.	
11 vi	116	Cavolina salmonacea Couth. <i>Eolis salmonacea</i> Gould.	
11		Philurus (n. g.) dubius De Kay.	

INFRABRANCHIA.

12 v	98 a, b	Ancylus rivularis Say.	
13 v	99 a, b	calcarius De Kay.	
13		fuscus Adams.	
13		tardus Say, e. l.	Wabash river.
13		filosus Conrad, e. l.	Alabama.
13		Nuttalli Hald.	Oregon.
13		diaphanus Hald.	Ohio.
13		parallelus Hald.	

TECTIBRANCHIA.**Aceridae.**

14 v	100 a, b	Bulla insculpta Totten.	
15 v	101	Gouldii Couth.	
15 v	102	obstriata Gould.	
16		<i>Bulla fluviatilis</i> Say, is referred doubtfully to Physa planorbula De Kay.	
16 xxxv	334	Bulla lineolata Couth.	
17 xxxv	326	triticea Couth.	
17 xxxv	329	debilis Gould.	
18		<i>Bulla fontinalis</i> Say, referred doubtfully to a Physa .	
18 xxxv	335	Bulla hiemalis Couth.	
18 xxxv	327	oryza Totten.	
19 xxxv	328	canaliculata Say. <i>Volvaria canaliculata</i> Say. <i>Bullina canaliculata</i> Say.	
19		solitaria Say, e. l. <i>Bulla insculpta</i> ?	Southern coast.

PULMONBRANCHIA.

Limacidae.

Page.	Plate.	Fig.	Name.	Locality.
20	i	4	<i>Limax agrestis</i> Linn.	
			<i>L. tunicata</i> Gould.	
21	i	5	<i>flavus</i> Linn.	
			<i>L. variegatus</i> Lam.	
22			<i>campestris</i> Binney.	
22			<i>gracilis</i> Ferussac, e. l.	Western States.
22			<i>dorsalis</i> (Phlomyous) Binney, e. l.	Vt., Mass.
23			<i>Arion hortensis</i> Lam.	
			<i>Limax hortensis</i> Lam.	
24	iii	1	<i>Tebennophorus Caroliniensis</i> Bosc.	
			<i>Limax Caroliniensis</i> Bosc.	
			<i>togata</i> Gould.	

Helicidae.

25	iii	42 a, b	<i>Vitrina pellucida</i> Draparnaud.	
26	ii	12	<i>Helix albolabris</i> Say.	
			<i>Cochlea Virginiana</i> Lister.	
27	ii	11 a, b	<i>appressa</i> Say.	
			<i>H. linguifera</i> Ferussac.	
27	ii	6 a, b	<i>exoleta</i> Binney.	
			<i>H. zaleta</i> Say.	
			<i>albolabris</i> , var. <i>unidentata</i> Ferussac.	
28	ii	7 a, b	<i>tridentata</i> Say.	
28	iii	23 a, b	<i>fallax</i> Say.	
			<i>H. tridentata</i> (var.) Binney.	
29	ii	8 a, b	<i>thyroidus</i> Say.	
			<i>Cochlea umbilicata</i> Lister.	
29	ii	9	<i>alternata</i> Say.	
			<i>H. scabra</i> Lam.	
30	ii	10 a, b, c	<i>arborea</i> Say.	
30			<i>electrina</i> Gould.	
31	iii	26 a, b	<i>indentata</i> Say.	
31	ii	13 a, b	<i>clausa</i> Say.	
32	ii	14 a, b	<i>subglobosa</i> Binney.	
	iii	39 a, b	<i>H. hortensis</i> Gould.	
33	ii	15 a, b	<i>concava</i> Say.	
33	iii	36 a, b	<i>palliata</i> Say.	
	ii	16 a, b	<i>H. obstricta</i> Say.	
			<i>denotata</i> Ferussac.	
			<i>Carolinensis</i> Lea.	
			<i>Carocolla helicoides</i> Lea.	
34	ii	17 a, b	<i>dentifera</i> Binney.	

Page.	Plate.	Fig.	Name.	Locality.
34	ii	18 a, b	<i>Helix diodonta</i> Say.	
35	iii	19, 21 a, b	<i>monodon</i> Racket.	
			<i>H. fraterna</i> Say.	
			<i>convera</i> Lam.	
36	iii	27 a, b	<i>hirsuta</i> Say.	
36	iii	20 a, b	<i>elevata</i> Say.	
			<i>H. Knoxvilleana</i> Say.	
37	iii	22	<i>fuliginosa</i> Griffith.	
37	iii	35 a, b	<i>cellaria</i> Müller.	
			<i>H. glaphyra</i> Say.	
			<i>nitida</i> Draparnaud.	
38	iii	24 a, b	<i>suppressa</i> Say.	
38	iii	29	<i>intertexta</i> Gould.	
39			<i>inornata</i> Say.	
39	iii	31	<i>labyrinthica</i> Say.	
40	iii	32 a, b	<i>ligera</i> Say?	
40	iii	33 a, b	<i>minuta</i> Say.	
			<i>H. pulchella</i> Binney.	
41	iii	34 a, b	<i>multilineata</i> Say.	
41	iii	35 a, b	<i>Pennsylvanica</i> Green.	
42	iii	38 a, b	<i>perspectiva</i> Say.	
42	iii	37 a, b, c	<i>profunda</i> Say.	
			<i>H. Richardi</i> Ferrussac.	
43	iii	40 a, b, c	<i>striatella</i> Anthony.	
			<i>H. rudrata</i> Studer?	
43	iii	41 a, b	<i>solitaria</i> Say.	
44	iii	30 a, b	<i>rufa</i> De Kay.	
44			<i>lineata</i> Say.	
			<i>Planorbis parallelus</i> Say.	
44	xxxv	338	<i>chersina</i> Say.	
45			<i>major</i> Binney, e. l.	Southern States.
45			<i>inflecta</i> Say, e. l.	N. C., W'n St's.
45			<i>irrorata</i> Say, e. l.	Pennsylvania.
			var. <i>lactea</i> Ferrussac.	
45			<i>corpuloides</i> Montagu, e. l.	Near Boston.
45			<i>egena</i> Say, e. l.	Pennsylvania.
45			<i>Mitchelliana</i> Lea, e. l.	Ohio.
45			<i>porcina</i> Say, e. l.	N. W. Territory.
45			<i>Vancouverensis</i> Lea, e. l.	Oregon.
46			<i>interna</i> Say, e. l.	Missouri.
46			<i>Nuttalliana</i> Lea, e. l.	Oregon.
46			<i>Columbiana</i> Lea, e. l.	Columbia river.
46			<i>Californiensis</i> Lea, e. l.	California.
46			<i>gularis</i> Say, e. l.	Ohio.
46			<i>Townsendiana</i> Lea, e. l.	Columbia river.

Page.	Plate.	Fig.	Name.	Locality.
46			<i>Helix jejuna</i> Say, e. l.	Southern States.
46			<i>Oregonensis</i> Lea, e. l.	Oregon.
46			<i>dealbata</i> Say, e. l.	Ala., Missouri.
46			<i>Wardiana</i> Lea, e. l.	Ohio.
47	iii	28	<i>auriculata</i> Say (Polygyra), e. l.	Florida.
47			<i>Sayii</i> Wood, e. l.	
47			<i>septemvolva</i> Say, e. l.	Georgia, Florida.
47			<i>avara</i> Say, e. l.	Florida, Carolina.
47			<i>aspera</i> Ferussac, e. l.	
47	vi	114 a, b	<i>spinosa</i> Lea, e. l.	Alabama.
47			<i>Cumberlandiana</i> Lea, e. l.	Tennessee.
47			<i>lasmodon</i> Philipps, e. l.	Alabama.
48	iv	44	<i>Pupa milium</i> Gould.	
49	iv	45	<i>badia</i> Adams.	
			<i>Pupilla badia</i> Gould.	
49	iv	46	<i>exigua</i> Say.	
49	iv	47	<i>contracta</i> Say.	
50	iv	50	<i>ovata</i> Say.	
			<i>P. modesta</i> Say.	
50	iv	49	<i>corticaria</i> Say.	
50	iv	48	<i>pentodon</i> Say.	
	xxxv	337	<i>P. curvidens</i> Gould.	
			<i>Tappaniana</i> Adams.	
51	xxxv	331	<i>fallax</i> Say.	
			<i>Cyclostoma marginata</i> Say.	
			<i>P. placida</i> Say (<i>Bulimus hordeaceus</i>).	
			<i>albilabris</i> Adams.	
52			<i>armifera</i> Say.	
52	xxxvi	347	<i>simplex</i> Gould.	
52			<i>rupicola</i> Say, e. l.	Florida.
53	iv	51, 52	<i>Succinea ovalis</i> Say.	
			<i>S. lineata</i> De Kay, ined.	
53	iv	53	<i>obliqua</i> Say.	
54	iv	54 a, b	<i>campestris</i> Say.	
54	iv	55	<i>avara</i> Say.	
			<i>S. vermata</i> Say?	
55			<i>retusa</i> Lea, e. l.	Cincinnati.
55	iii	43	<i>Bulimus lubricus</i> Bruguiere.	
56			<i>mutilatus</i> Say, e. l.	Charleston.
56			<i>multilineatus</i> Say, e. l.	Florida.
56			<i>Achatina solida</i> Say, e. l.	Florida.
56	iv	56	<i>vevillum</i> Humphreys, e. l.	Florida.
56			<i>virginea</i> Linn., e. l.	Florida.
56			<i>striata</i> Ferussac, e. l.	Florida.
56			<i>flammigera</i> Ferussac, e. l.	Florida.

Page.	Plate.	Fig.	Name.	Locality.
56			<i>Glandina truncata</i> Say, e. l. <i>Planorbis glans</i> Say.	S. C. & Florida.
Auriculiadæ.				
57	v	92, 1—3	<i>Auricula bidentata</i> Say. <i>Melampus bidentatus</i> Say. <i>A. cornea</i> Lam.	
58	v	91, 93	<i>denticulata</i> Montagu. <i>Voluta denticulata</i> Mont. <i>A. personata</i> Lam. <i>borealis</i> Conrad.	
58			<i>obliqua</i> Say, e. l.	Charleston.
Limniadæ.				
59	iv	59 a, b	<i>Planorbis trivolvus</i> Say.	
60	iv	63 a, b	<i>bicarinatus</i> Say.	
60	v	80* a, b	<i>lentus</i> Say.	
61	iv	60, 61	<i>megastoma</i> De Kay.	
61	v	99* a, b	<i>campanulatus</i> Say.	
62	iv	57 a, b	<i>obliquus</i> De Kay.	
62	iv	64 a, b, c	<i>armigerus</i> Say. <i>Discus armigerus</i> Hald.	
63	iv	62 a, b	<i>exacutus</i> Say.	
63	iv	58	<i>parvus</i> Say.	
64	viii	185* a, b	<i>compulventus</i> Say.	
64			<i>hirsutus</i> Gould.	
65			<i>elevatus</i> Adams.	
65			<i>deflectus</i> Say.	
66			<i>dilatatus</i> Gould. <i>P. lens</i> Lea?	
66			<i>glabratus</i> Say, e. l.	South Carolina.
66			<i>antrorsus</i> Conrad, e. l.	Alabama.
66			<i>virens</i> Adams, e. l.	Vermont.
67	v	80	<i>Limnea catascopium</i> Say. <i>L. pinguis</i> Say <i>decollata</i> Adams.	
68	iv	68	<i>fragilis</i> Linn. <i>Helix fragilis</i> Linn. <i>Limnea elodes</i> Say.	
68	iv	76	<i>umbrosa</i> Say. <i>Limneus elongatus</i> Say.	
69	iv	66, 69	<i>caperata</i> Say.	
	v	79	<i>L. umbilicata</i> Adams.	
69	iv	67	<i>pallida</i> Adams.	
70	iv	70	<i>megastoma</i> Say.	

Page.	Plate.	Fig.	Name.	Locality.
70	iv	73	<i>Limnea gracilis</i> Jay.	
71	iv	71 a, b	<i>humilis</i> Say. <i>L. modicella</i> Say?	
71	iv	65, 72 a, b	<i>reflexa</i> Say. <i>L. exilis</i> Lea.	
72	iv	74 a, b	<i>Linsleyi</i> De Kay.	
72	iv	75	<i>columella</i> Say. <i>L. macrostoma</i> Say. <i>acuminata</i> Adams.	
73	iv	77	<i>emarginata</i> Say.	
73	v	78	<i>desidiosa</i> Say. <i>L. acuta</i> Lea. <i>casta</i> Lea? <i>L. Philadelphia</i> Lea.	
74	v	81	<i>jugularis</i> Say. <i>L. stagnalis</i> Kirtland.	
74			<i>appressa</i> Say.	
75			<i>obrusa</i> Say, e. l. <i>L. decidiosa</i> Hald.?	Philadelphia.
75			<i>ferruginea</i> Hald., e. l.	Oregon.
75			<i>rugosa Valenciennes</i> , e. l.	Mexico.
75			<i>attenuata</i> Say, e. l.	Mexico.
75	xxxvi	348	<i>expansa</i> Hald., e. l.	Vermont.
75			<i>solida et apicina</i> Lea, e. l.	Oregon.
75			<i>bulimoides</i> Lea, e. l.	Oregon.
75			<i>vitrea</i> Hald., e. l.	Ohio? Missouri.
76	v	82	<i>Physa heterostropha</i> Say. <i>Limnea heterostropha</i> Say.	
76	v	83	<i>planorbula</i> De Kay. <i>Bulla fluviatilis</i> Say?	
77	v	82	<i>cylindrica</i> Newcomb, ined.	
77			<i>elliptica</i> De Kay. <i>P. cylindrica</i> Lea.	
78	v	85	<i>plicata</i> De Kay.	
78	v	86	<i>obesa</i> De Kay.	
78	v	90	<i>ancillaria</i> Say.	
79	v	87	<i>gyrina</i> Say?	
80	v	88	<i>glabra</i> De Kay.	
80	v	89 a, b	<i>aurea</i> Lea.	
81	xxxvi	346	<i>elongata</i> Say.	
81			<i>pomilla</i> Conrad, e. l.	Alabama.
81			<i>integra</i> Hald., e. l.	Indiana.
81			<i>concolor</i> Hald., e. l.	Oregon.
81			<i>Sayii</i> Tappan, e. l. (no description given).	
81			<i>globosa</i> Hald., e. l.	Virginia.

Cyclostomidae.

Page.	Plata.	Fig.	Name.	Locality.
82			<i>Cyclostoma dentata</i> Say, e. l.	Florida.
82			<i>Cincinnatiense</i> Lea, e. l.	Cincinnati.
			<i>A. [Amnicola] Sayana</i> Anthony?	

Helicinidae.

82			<i>Helicina orbiculata</i> Say, e. l.	Florida.
82			<i>fastigiata</i> Say, e. l.	Illinois.
82			<i>plicata</i> Say.	
82			<i>occulta</i> Say, e. l.	Western States.

PECTINIBRANCHIA.**Turbinidae.**

84	vi	131 a, b	<i>Paludina dissolisa</i> Say.	
	vii	134	<i>P. decisa</i> Say.	
			<i>ponderosa</i> Deshayes in Lam.	
84	vii	132 a, b	<i>integra</i> Say.	
			<i>P. heros</i> De Kay.	
86	vii	133	<i>isogona</i> Say.	
			<i>P. pallida</i> Lea?	
85			<i>transversa</i> Say, e. l.	Louisiana.
85			<i>intertexta</i> Say, e. l.	Louisiana.
86			<i>ponderosa</i> Say, e. l.	Falls of the Ohio.
			<i>P. heterostropha</i> Kirtland.	
86			<i>Georgiana</i> Lea, e. l.	Darien, Ga.
86			<i>vivipara</i> Say, e. l.	South Carolina.
86			<i>magnifica</i> Conrad, e. l.	Alabama.
86			<i>subpurpurea</i> Say, e. l.	Wabash river.
86			<i>genicula</i> Conrad, e. l.	Georgia.
86			<i>subglobosa</i> Say, e. l.	N. W. Territory.
86			<i>dissimilis</i> Say, e. l.	Pennsylvania.
86			? <i>lapidaria</i> Say, e. l.	Pennsylvania.
			<i>Cyclostoma lapidaria</i> Say.	
87			<i>subcarinata</i> Say, e. l.	Pennsylvania.
87			<i>bimontilifera</i> Lea, e. l.	Alabama river.
87			<i>Amnicola lustrica</i> Say.	
			<i>Paludina lustrica</i> Say.	
88	xxxv	333	<i>porata</i> Say.	
			<i>Paludina porata</i> Say.	
88			<i>limosa</i> Say, e. l.	Delaware.
88			<i>grana</i> Say, e. l.	Pennsylvania.
88			<i>Cincinnatiensis</i> Anthony, e. l.	Cincinnati.
88			<i>Nickliniana</i> Lea, e. l. (no description given).	

Page.	Plate.	Fig.	Name.	Locality.
89	vii	135 a, b	<i>Melania depygis</i> Say.	
90			<i>Niagarensis</i> Lea.	
90	vii	141	<i>virginica</i> Say.	
			<i>Paludina virginica</i> Say.	
91	vii	140 a, b	<i>bisonalis</i> De Kay.	
91	vii	142	<i>gemma</i> De Kay.	
92	vii	138	<i>subularis</i> Lea.	
92			<i>undulata</i> Say, e. l.	Ohio river.
92			<i>Hildrethiana</i> Lea, e. l.	Ohio river.
92			<i>castanea</i> Lea, e. l.	Tennessee.
92			<i>lævis</i> Lea, e. l.	
92			<i>Kirtlandiana</i> Lea, e. l.	Indiana & Ohio.
92			<i>Taitiana</i> Lea, e. l.	Alabama.
93			<i>dubiosa</i> Lea, e. l.	Tennessee.
93			<i>ebenum</i> Lea, e. l.	Tennessee.
93			<i>rufescens</i> Lea, e. l.	Tennessee.
93			<i>tuberoulata</i> Lea, e. l.	Tennessee.
			<i>M. stygia</i> Say.	
93			<i>armigera</i> Say, e. l.	Ohio river.
93			<i>Hydei</i> Conrad, e. l.	Alabama.
93			<i>catenaria</i> Say, e. l.	South Carolina.
93			<i>cancellata</i> Say, e. l.	Florida.
93			<i>fusiformis</i> Lea, e. l.	Tennessee.
93			<i>claviformis</i> Lea, e. l.	Tennessee.
94			<i>gracilis</i> Lea, e. l.	Tennessee.
94			<i>subsolida</i> Lea, e. l.	Tennessee.
94			<i>occocensis</i> Lea, e. l.	Tennessee.
94			<i>subcylindracea</i> Lea, e. l.	Tennessee.
94			<i>sordida</i> Lea, e. l.	Tennessee.
94			<i>regularis</i> Lea, e. l.	Tennessee.
94			<i>fuliginosa</i> Lea, e. l.	Tennessee.
94			<i>alveare</i> Conrad, e. l.	Tennessee.
94			<i>annulifera</i> Conrad, e. l.	Alabama.
94			<i>biteniata</i> Conrad, e. l.	Alabama.
94			<i>canaliculata</i> Say, e. l.	Ohio.
			<i>M. Sayii</i> Conrad.	
95			<i>conica</i> Say, e. l.	Ohio river.
			<i>Asculotus conicus?</i>	
95			<i>Nickliniana</i> Lea, e. l.	Virginia.
95			<i>viridis</i> Lea, e. l.	Ohio.
95			<i>occidentalis</i> Lea, e. l.	Ohio.
95			<i>globula</i> Lea, e. l.	Tennessee.
95			<i>altilis</i> Lea, e. l.	Maryland & S. C.
95			<i>strigosa</i> Lea, e. l.	
95			<i>virgata</i> Lea, e. l.	Tennessee.

Page.	Plata.	Fig.	Name.	Locality.
95			Melania tenebrosa Lea, e. l.	Tennessee.
95			Cincinnatiensis Lea, e. l.	Cincinnati.
95			comma Conrad, e. l.	Alabama.
96			congesta Conrad, e. l.	Alabama.
96			elevata Say, e. l.	Ohio river.
			<i>M. elongata</i> Lea?	
96			excurata Conrad, e. l.	Alabama.
96			? integra Say, e. l.	Ohio river.
96			teres Lea, e. l.	Tennessee.
96			obtusa Lea, e. l.	Tennessee.
96			Lecontiana Lea, e. l.	Georgia.
96			rugosa Lea, e. l.	Tennessee.
96			monoxonalis Lea, e. l.	Tennessee.
96			terebralis Lea, e. l.	Tennessee.
96			columella Lea, e. l.	Tennessee.
97			blanda Lea, e. l.	Tennessee.
97			orebri-costata Lea, e. l.	Tennessee.
97			laqueata Say, e. l.	Tennessee.
97			lima Conrad, e. l.	Alabama.
97			multilineata Say, e. l.	Penn'a, N. J.
97			nupera Say, e. l.	Wabash river.
97			nassula Conrad, e. l.	Alabama.
97			Curreyana Lea, e. l.	Kentucky.
97			Edgariana Lea, e. l.	Tennessee.
98			decora Lea, e. l.	Tenn., Ky.
98			costulata Lea, e. l.	Tenn., Ky.
98			nitens Lea, e. l.	Tennessee.
98			Deshayesiana Lea, e. l.	Tennessee.
98			concinna Lea, e. l.	Tennessee.
98			babylonica Lea, e. l.	Ohio.
98			arata Lea, e. l.	Tennessee.
98			? obovata Say, e. l.	Kentucky river.
98			olivula Conrad, e. l.	Alabama.
98			prasinata Conrad, e. l.	Alabama.
99			proxima Say, e. l.	South Carolina.
99			pyrenella Conrad, e. l.	North Alabama.
99			Potosiensis Lea, e. l.	Missouri.
99			acuto-carinata Lea, e. l.	Tennessee.
99			Wardneriana Lea, e. l.	Virginia.
99			sulcosa Lea, e. l.	Tennessee.
99			striatula Lea, e. l.	Tennessee.
99			pillula Lea, e. l.	Tennessee.
99			circinota Lea, e. l.	Tennessee.
99			venusta Lea, e. l.	Tennessee.
99			Florentiana Lea, e. l.	Tennessee, Ala.
100			salebrosa Conrad, e. l.	Alabama.

Page.	Plate.	Fig.	Name.	Locality.
100			Melania semicarinata Say, e. l.	Kentucky.
			<i>M. acuta</i> Lea.	
100			simplex Say, e. l.	Virginia.
100			trilineata Say, e. l.	Ohio river.
100			trochiformis Conrad, e. l.	Alabama.
100			Troostiana Lea, e. l. [no description].	
100			Duttoniana Lea, e. l.	Tennessee.
100			Holstonia Lea, e. l.	Tennessee.
100			caliginosa Lea, e. l.	Tennessee.
100			nodulosa Lea, e. l.	Tennessee.
100			Boykiniana Lea, e. l.	Georgia.
101			catenoides Lea, e. l.	Georgia.
101			vestita Conrad, e. l.	
101			Anculosus carinatus De Kay.	
			<i>A. dissimilis</i> ?	
102	vii	137	Anculotus trivittatus De Kay.	
102			angulatus Conrad, e. l.	Alabama.
102	vii	139	costatus Anthony, e. l.	Ohio.
102			dentatus Couth., e. l.	Virginia.
102			melanoides Conrad, e. l.	Alabama.
102			monodontoides Conrad, e. l.	Virginia.
102			nigrescens Conrad, e. l.	Maryland.
103			plicatus Conrad, e. l.	Alabama.
103			pictus Conrad, e. l.	Alabama river.
103			prærosus Say, e. l.	Ohio.
103			pumilus Conrad, e. l.	Alabama.
103			subglobosus Say, e. l.	Virginia.
103			tæniatus Say, e. l.	Alabama.
103			Io fusiformis Lea, e. l.	Virginia.
			<i>Fusus fluviatilis</i> Say.	
104	v	103	Littorina rudis Montagu.	
			<i>Turbo rudis</i> Montagu.	
			<i>obligatus</i> Say.	
105	vi	106	tenebrosa Montagu.	
			<i>Turbo tenebrosus</i> Montagu.	
			<i>vestitus</i> Say.	
105	vi	109-11	neritoides Linn.	
			<i>Turbo neritoides</i> Linn.	
			<i>L. palliata</i> Gould.	
106	vi	112 a, b	irrorata Say.	
			<i>Turbo irroratus</i> Say.	
106	v	105	palliata Say.	
			<i>Turbo palliatus</i> Say.	
107	vi	104	Margarita ornata De Kay.	
107			undulata Sowerby.	
			<i>Turbo incarnatus</i> Couth.	

Page.	Plate.	Fig.	Name.	Locality.
108	vi	107	<i>Margarita arctica</i> Lea.	
			<i>Turbo inflatus</i> Totten.	
108	vi	113	<i>cinerea</i> Couth.	
			<i>Turbo cinereus</i> Couth.	
109	vi	108	<i>multilineata</i> De Kay.	
109			<i>obscura</i> Couth., e. l.	Massachusetts.
109			<i>argentata</i> Gould, e. l.	Massachusetts.
110	iv	117	<i>Cingula minuta</i> Totten.	
			<i>Turbo minutus</i> Totten.	
110	vi	115	<i>aculeus</i> Gould.	
111	vi	118	<i>lævis</i> De Kay.	
111	vi	119 a, b, c	<i>Lacuna vinota</i> Montagu.	
			<i>Turbo vinctus</i> Montagu.	
			<i>L. pertusa</i> Conrad.	
			<i>Turbo quadrifasciatus</i> .	
112			<i>neritoidea</i> Gould, e. l.	Massachusetts.
112	vi	123	<i>Turritella interrupta</i> Totten.	
			<i>Eulima interrupta</i> Gould.	
113	vi	122	<i>erosa</i> Couth.	
113			<i>impressa</i> Say, e. l.	Seacoast.
113			<i>æqualis</i> Say, e. l.	Seacoast.
113			<i>alternata</i> Say, e. l.	Seacoast.
113			<i>concava</i> Say, e. l.	South Carolina.
114	viii	169	<i>Pyramis striatula</i> Couth.	
114	viii	170	<i>Odostomia trifida</i> Totten.	
			<i>Actæon trifidus</i> Totten.	
115	viii	171	<i>seminuda</i> Adams.	
			<i>Jaminia seminuda</i> Adams.	
			<i>Pyramis fusca</i> Adams.	
115	xxxi	297	<i>insculpta</i> De Kay.	
116	xxxvi	342	<i>fusca</i> Adams.	
			<i>Pyramis fusca</i> Adams.	
116	xxxi	296	<i>producta</i> Adams, e. l.	Massachusetts.
			<i>Jaminia producta</i> Adams.	
116	xxxi	294-95	<i>exigua</i> Couth., e. l.	Massachusetts.
			<i>Jaminia exigua</i> Couth.	
			<i>Turritella bisuturalis</i> Say.	
117	xxxvi	849	<i>Vermetus lumbricalis</i> Lin. e. l.	Northern coast.
117	xxxii	203	<i>Skenea serpuloides</i> Adams.	
			<i>Delphinula serpuloides</i> Adams.	
117			? <i>laxa</i> Say, e. l.	South Carolina.
			<i>Delphinula laxa</i> Say.	
118	vi	130 a, b	<i>Valvata tricarinata</i> Say.	
			<i>Cyclostoma tricarinata</i> Say.	
118	vi	129	<i>unicarinata</i> De Kay.	
119	vi	127-28	<i>sincera</i> Say.	

Page.	Plata.	Fig.	Name.	Locality.
119			Valvata arenifera <i>Lea</i> is the larva-case of some insect.	
119			pupoidea <i>Gould</i> , e. l.	Massachusetts.
120	vii	148	Natica heros <i>Say</i> .	
121	vii	147	duplicata <i>Say</i> .	
121	vii	144	triseriata <i>Say</i> .	
122	vii	146	immaculata <i>Totten</i> .	
122	vii	150	clausa <i>Sowerby</i> .	
			<i>N. consolidata</i> <i>Couth</i> .	
123	vii	145	pusilla <i>Say</i> .	
123			flava <i>Gould</i> .	
123			canrena <i>Lam</i> .	Asiatic, not Am.
123			alba <i>Say</i> [no description: doubtful].	
123			lunata <i>Say</i> [no description: doubtful].	
Trochidae.				
124			Ampullaria Hopetonensis <i>Lea</i> , e. l.	Georgia.
124			rotundata <i>Say</i> , e. l.	Florida.
124			paludosa et depressa <i>Say</i> , e. l.	Florida.
124			<i>Ampullaria penesma</i> <i>Say</i> , MSS.	
			<i>disseminata</i> <i>Say</i> , MSS.	
125	xxxvi	360	Janthina fragilis <i>Bruguiere</i> .	
125	vi	124 a, b	Scalaria subulata <i>Couth</i> .	
			<i>S. Grælandica</i> <i>Gould</i> .	
			<i>Turbo clathrus-Grælandicus</i> <i>Chemnitz</i> .	
126	vi	125	lineata <i>Say</i> .	
126			multistriata <i>Say</i> .	
127	vi	126	Novangliæ <i>Couth</i> ., e. l.	
127			clathrus <i>Linn.</i> , e. l.	Southern coast.
127			turbinata <i>Conrad</i> , e. l.	North Carolina.
127	vii	143	Tornatella puncto-striata <i>Adams</i> .	
128			Pirena scalariformis <i>Say</i> , e. l.	Florida Keys.
Cerithidae.				
128	viii	167	Cerithium Sayi <i>Gould</i> .	
			<i>Pasithea nigra</i> <i>Totten</i> .	
			<i>Cerithium reticulatum</i> <i>Totten</i> .	
129			ferrugineum <i>Say</i> , e. l.	Florida.
129	viii	168	Emersonii <i>Adams</i> , e. l.	Nantucket.
129			septemstriatum <i>Say</i> , e. l.	Florida.
129			nigrocinctum <i>Adams</i> , e. l.	Massachusetts.
130	viii	172	terebrale <i>Adams</i> , e. l.	Massachusetts.
130			Greeni <i>Adams</i> , e. l.	Massachusetts.
130			muscarum <i>Say</i> , e. l.	Florida.
Purpuridae.				
130	vii	161	Buccinum undatum <i>Linn</i> .	

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Page.	Plate.	Fig.	Name.	Locality.
131	vii	162*	Buccinum lunatum Say. <i>Nassa lunata Say.</i>	
132	vii	162	Wheatleyi De Kay.	
132	viii	165	trivittatum Say. <i>Nassa trivittata Say.</i>	
133	viii	163-64	obsoletum Say. <i>Nassa obsoleta Say.</i> <i>B. Novboracensis Wood.</i> <i>oliveiformis Klener.</i>	
133			vibex Say. <i>Nassa vibex Say.</i>	
134			Donovani Gould, e. l.	
134			ciliatum Gould, e. l.	
134			rosaceum Gould, e. l.	
134			acutum Say, e. l.	Southern cos
134			unicinctum Say, e. l.	South Caroli
134			ornatum Say, e. l.	Southern cos
134			album Say, e. l.	Florida.
135	viii	175	Purpura lapillus Linn. <i>Buccinum lapillus Linn.</i>	
136	viii	173	imbricata Lam. <i>P. lapillus (var.) Russel.</i>	
136	viii	174	bizonalis Lam. <i>P. lapillus (var.) Gould</i>	
136			Floridana Conrad, e. l.	Florida, Ala.
137	viii	178 a, b	Trichotropis borealis Sowerby. <i>T. costellatus Conth.</i>	
138	vii	160	Cancellaria Couthouyi Jay. <i>C. buccinoides Conth.</i>	
139	viii	176 a, b	Ranella caudata Say.	
139	viii	179	Columbella avara Say.	
140	ix	190	Pyrula canaliculata Linn. <i>Murex canaliculatus Linn.</i>	
141	ix	192-93	carica Linn. <i>Murex carica Linn.</i>	
142	viii	180-81	spirata Lam. <i>Fulgur pyruloides Say.</i>	
142			papyratia Say, e. l.	Southern cos
143	viii	182	Fusus scalariformis Gould? <i>F. borealis De Kay.</i>	
144	viii	185	Islandicus Linn <i>Murex Islandicus Linn</i> <i>F. corneus Say.</i> <i>Islandicus var. pygmaeus Gould.</i>	
144	viii	183	ventricosus Gray.	

Page.	Plate.	Fig.	Name.	Locality.
145	viii	184 a, b	Fusus cinereus Say. <i>Buccinum plicosum</i> Gould.	
145	ix	186	decemoostatus Say. <i>F. carinatus</i> Lam.?	
146	ix	187	harpularius Couth.	
146	ix	189	rufus Montagu. <i>Murex rufus</i> Montagu. <i>F. pleurotomarius</i> Couth.	
147	ix	188	imbricatus De Kay.	
147	ix	191	pyruloides De Kay.	
148			tornatus Gould. <i>Murex despectus</i> Linn.	
148	xxxvi	339	bamfius Montagu. <i>Murex bamfius</i> Montagu.	
148			bicolor Say, e. l.	Florida.
149			muricatus Gould, e. l.	Northern coast.
149	xxxvi	340	turriculus Gould, e. l.	
149	vi	113	Pleurotoma bicarinata Couth.	
150	xxxvi	344	decussata Couth.	
150	vi	120	plicata Adams.	
151	viii	177	Rostellaria occidentalis Guérin, e. l.	Maine.
Conidae.				
151			Conus mus Lam., e. l.	Florida Keys.
151			leucostrictus Gmelin, e. l.	
Mitriadae.				
152	vii	158	Terebra dislocata Say, e. l. <i>Cerithium dislocatum</i> Say. <i>T. Petittii</i> Kiener.	Md. & S'n coast.
152	vii	157	Oliva literata Lam., e. l. <i>O. mutica</i> Say.	Southern coast.
152	vii	159	Marginella carnea Storer, e. l.	Key West.
Cryptostomidae.				
153	vii	156 a, b	Sigaretus perspectivus Say.	
153			hallotoideus Gould, e. l. <i>S. orinoë</i> Couth.	Massachusetts.
153			maculatus Say, e. l.	Southern coast.
154	xxiii	254	Velutina laevigata Linn. <i>Helix laevigata</i> Linn. <i>V. capuloidea</i> Blainville. <i>rupicola</i> Conrad. <i>Galericulus laevigatus</i> Brown.	

Page.	Plate.	Fig.	Name.	Locality.
154	xxiii	253	Velutina zonata Gould. <i>Galericulum ovatum</i> Couth.?	

SCUTIBRANCHIA.**Calyptriadæ.**

155	vii	155 a, b	Calyptra striata Say.	
156	ix	195	Cemoria Noachina Linn. <i>Patella Noachina</i> Linn. <i>C. Flemingii</i> Leach. <i>Rimula Noachina</i> Couth.	
156			alternata Say? e. l. <i>Fissurella alternata</i> Say.	Coast of U. S.
157	vii	152-4	Crepidula fornicata Linn. <i>Patella fornicata</i> Linn.	
158	vii	153 a, b	plana Say. <i>C. unguiformis</i> Lam.?	
158	vii	131	convexa Say.	
159			glauca Say.	
159			depressa Say, e. l.	Southern coast.
159			intorta Say? e. l.	Southern coast.

CIRROBRANCHIA.**Dentalidæ.**

160	x	197	Dentalium dentalis Linn.	
161			attenuatum Say, e. l.	Maryland.

CYCLOBRANCHIA.**Patellidæ.**

161			Patella candida Couth.	
162	ix	196	Patelloidea testudinalis Müller. <i>Patella amana</i> Say. <i>testudinalis</i> Lea. <i>Lottia testudinalis</i> Gould.	
162	ix	194	alveus Conrad. <i>Patella alveus</i> Conrad. <i>Lottia alveus</i> Gould.	

Chitonidæ.

163	x	200	Chiton albus Montagu. <i>C. sagrinatus</i> Couth. <i>aselloides</i> Lowe.	
164	x	201-2	apiculatus Say. <i>C. pectinatus</i> Gould.	
164			marginatus Pennant, e. l.	Massachusetts.

Page.	Plate.	Fig.	Name.	Locality.
165	x	199	Chiton fulminatus <i>Couth.</i> , e. l.	Massachusetts.
165			ruber <i>Lowe</i> , e. l.	Massachusetts.
165	x	198	Emersonii <i>Couth.</i> , e. l.	Mass. bay.

ACEPHALA.**BRACHIOPODA.****Terebratulidæ.**

167	xxxiv	321	Terebratula caputserpentis <i>Lin.</i> , e. l.	Me. & Mass.
			<i>T. septentrionalis</i> <i>Couth.</i>	
167	xxxiv	322	psittacea <i>Gmelin</i> , e. l.	Massachusetts.
			thalassina <i>Gould</i> , e. l. [no description].	

LAMELLIBRANCHIA.**Ostracidæ.**

168	xii	209	Anomia ephippium <i>Linn.</i>	
			<i>A. patellaris</i> <i>Lam.</i>	
168	xii	210	aculeata <i>Gmelin</i> .	
168			electrica , e. l. [not described].	Massachusetts.
168			squamula , e. l. [not described].	Massachusetts.
169	x	203-4	Ostrea borealis <i>Lam.</i>	
			<i>O. virginica</i> <i>Lam.</i>	
			<i>Canadensis</i> <i>Lam.</i>	
171			semicylindrica <i>Say</i> , e. l.	Ga. & Florida.
171			equestris <i>Say</i> .	S. C. & Florida.

Pectinidæ.

172	xi	205	Pecten concentricus <i>Say</i> .	
			<i>P. lineolaris</i> <i>Lam.</i> ?	
173	xi	206	Islandicus <i>Müller</i> .	
			<i>Ostrea Islandica</i> <i>Müller</i> .	
			<i>P. Pealeii</i> <i>Conrad</i> .	
173	xi	207 A, B	Magellanicus <i>Gmelin</i> .	
			<i>Ostrea Magellanica</i> <i>Gmelin</i> .	
174			purpuratus <i>Lam.</i> , e. l.	Southern coast.
			<i>P. dislocatus</i> <i>Say</i> .	
174			ornatus <i>Lam.</i> , e. l.	Florida.
174			nodosus <i>Lam.</i> , e. l.	Florida.
174			varius <i>Turton</i> , e. l.	Northern coast.
174			Plicatula ramosa <i>Lam.</i> , e. l.	
175			Lima squamosa <i>Lam.</i> , e. l.	Florida.
175	xi	208	glacialis <i>Lam.</i> , e. l.	Florida.

Aviculidæ.

175			Avicula Atlantica <i>Lam.</i> , e. l.	Southern coast.
			<i>A. hirundo</i> <i>Say</i> .	

Arcadæ.

Page.	Plate.	Fig.	Name.	Locality.
176	xii	211	<i>Arca pexata</i> Say.	
177	xii	212	<i>transversa</i> Say.	
177			<i>ponderosa</i> Say, e. l.	Southern coast.
177			<i>incongrua</i> Say, e. l.	Southern coast.
178	xii	217 a, b	<i>Nucula thracisæformis</i> Storer.	
179	xii	216	<i>radiata</i> De Kay.	
179	xii	215	<i>proxima</i> Say.	
180	xiii	221 a, b	<i>Gouldi</i> De Kay.	
180	xiii	219	<i>myalis</i> Couth., e. l.	Northern coast.
180	xiii	218	<i>limatula</i> Say, e. l.	Maine & Mass.
180	xiii	220	<i>sapotilla</i> Gould, e. l.	Northern coast.
180			<i>navicularis</i> Couth., e. l.	
181			<i>tenuis</i> Gould, e. l.	
181	xii	213	<i>minuta</i> Gould, e. l.	
			<i>N. tenuisulcata</i> Couth.	
181			<i>acuta</i> Conrad, e. l.	Virginia.

Mytilidæ.

182	xiii	222	<i>Mytilus borealis</i> Lam.	
			<i>M. edulis</i> Gould.	
182	xiii	223	<i>notatus</i> De Kay.	
183	xxiv	256	<i>pellucidus</i> Pennant.	
			<i>M. edulis</i> var. <i>pellucidus</i> Gould.	
183			<i>incurvatus</i> Lam., e. l.	Northern shores.
			an <i>M. borealis</i> var. ?	
183			<i>ungulatus</i> Linn., e. l.	
183			<i>cubitus</i> Say, e. l.	Seacoast.
183			<i>lateralis</i> Say, e. l.	Southern coast.
183			<i>hamatus</i> Say, e. l.	Southern coast.
			<i>M. striatus</i> Barnes.	
184			<i>leucopheatus</i> Conrad, e. l.	Southern coast.
184	xxiv	258	<i>Modiola pilcatula</i> Lam.	
			<i>M. semicostata</i> Conrad.	
185	xxiv	257	<i>modiolus</i> Linn.	
			<i>Mytilus modiolus</i> Linn.	
			<i>Modiola papuana</i> Lam.	
185			<i>pectinula</i> Gould, e. l.	St. George's b'ks.
185			<i>nexa</i> Gould, e. l.	Massachusetts.
185			<i>discrepans</i> Montagu, e. l.	Massachusetts.
185			<i>discors</i> Montagu, e. l.	Massachusetts.
186			<i>Carolinensis</i> Conrad, e. l.	Charleston, S. C.
186			<i>Americana</i> Leach, e. l.	Southern coast.
186			<i>castanea</i> Say, e. l.	Southern coast.

Page.	Plate.	Fig.	Name.	Locality.
186	xxii	248	Crenella decussata Laskey & Montagu. <i>Mytilus decussatus</i> Laskey & Montagu. <i>Modiola glandula</i> Totten.	
187			Pinna seminuda Lam., e. l.	Southern coast.
187			muricata Lam., e. l.	Southern coast.
Unionidæ.				
188	xxii	246	Unio complanatus Solander. <i>Mya complanata</i> Solander. <i>U. purpureus</i> Say.	
189			Boydianus Lea.	
189	xviii	236	radiatus Gmelin. <i>Mya radiata</i> Gmelin.	
190			ventricosus Barnes. <i>U. occidentis</i> Lea?	
190	xx	241	luteolus Lam. <i>U. siliquoides</i> Barnes. <i>inflatus</i> Barnes.	
191	xxi	245	compressus Lea. <i>Symphynota compressa</i> Lea.	
191	xx	239	nasutus Say. <i>U. rostratus</i> Valenciennes.	
192	xxxix	355-6; xl 357	Unio rosaceus De Kay.	
193	xix	237-38	Unio ochraceus Say. <i>Symphynota ochracea</i> Lea.	
193	xxi	243-44	cariosus Say. <i>U. orata</i> Valenciennes.	
194	xx	240	Novi-eboraci Lea.	
194	xx	242	Tappanianus Lea.	
195			alatus Say.	
195			rectus Lea. <i>U. praelongus</i> Barnes.	
196	xiv	226	Alasmodonta rugosa Barnes. <i>Margaritana rugosa</i> Lea.	
196	xiv	225	marginata Say. <i>Monodonta marginata</i> Say. <i>Margaritana marginata</i> Lea.	
197	xiv	224	arcuata Barnes. <i>Margaritana margaritifera</i> Lea.	
198	xv	227	undulata Say. <i>Margaritana undulata</i> Lea.	
198	xxiv	259	corrugata De Kay.	
199	xv	228	Anodon unadilla De Kay.	
200	xvi	229	subcylindracea Lea.	
200	xvi	230	Ferussaciana Lea.	

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Page.	Plate.	Fig.	Name.	Locall
201	xvi	231	Anodon edentula Say. <i>Alasmodonta edentula Say.</i> <i>Anodon areolatus Swainson.</i>	
201	xvii	232	<i>plana Lea.</i>	
202	xvii	233	<i>excurvata De Kay.</i>	
202			<i>implicata Say.</i> <i>A. Newtoniensis Lea.</i> <i>marginata Say (young).</i>	
203	xviii	234	<i>fluvialilis Dilwyn.</i> <i>A. cataracta Say.</i>	
203	xi	358	<i>pavonia Lea.</i>	
204	xviii	235	Benedictensis Lea. <i>Symphynota Benedictensis Lea.</i>	
Cardidæ.				
204	xxii	247	Carditæborealis Conrad. <i>Venericardia cibraria Say?</i>	
205			<i>incrassata Conrad, e. l.</i>	Florida.
205			<i>tridentata Say, e. l.</i>	South Ca
			<i>Venericardia tridentata Say.</i>	
205	xxii	249	Cardium pinnulatum Conrad.	
206	xxiii	252	Islandicum Linn. <i>C. pubescens Couth.</i>	
206	xxiii	250	Greenlandicum Gmelin. <i>Aphrodita columba Lea.</i>	
207	xxiii	251	Mortoni Conrad.	
207			<i>fasciatum Montagu, e. l.</i>	
207			<i>muricatum Linn., e. l.</i>	S. C. & F
207			<i>ventricosum Bruguiere, e. l.</i>	South Ca
Chamidæ.				
208			Chama arcinella Lam., e. l.	Florida.
CONCHIFERA.				
Tellinidæ.				
209	xxvi	271	Tellina tenera Say.	
209	xxvi	272	versicolor Cozzens.	
210			<i>tenta Say.</i>	
210			<i>lateralis Say, e. l.</i>	Seacoast.
210			<i>polita Say, e. l.</i>	Southern
210			<i>iris Say, e. l.</i>	Southern
210			<i>flexuosa Say, e. l.</i>	Southern
211			<i>interstriata Say, e. l.</i>	East Flor
211			<i>alternata Say, e. l.</i>	Ga. & E.
211			<i>decora Say, e. l.</i>	East Flor
211			<i>mera Say, e. l.</i>	

Page.	Plate.	Fig.	Name.	Locality.
211	xxiii	255	Donax fossor Say.	
212			<i>variabilis</i> Say, e. l.	Ga. & Florida.
212			<i>elevata</i> Hald., e. l.	New Orleans.
212	xxv	260	Capsa lævigata Conrad, e. l.	Florida.
212			<i>deflorata</i> Conrad, e. l.	Florida.
212	xxxii	304	Sanguinolaria fusca Say.	
			<i>Psammobia fusca</i> Say.	
213	xxxii	305	<i>sordida</i> Couth.	
			<i>Tellina sordida</i> Couth.	
213			<i>lusoria</i> Say, e. l.	N. J. to Florida.
			<i>Psammobia lusoria</i> Say.	
213			<i>rugosa</i> Lam., e. l.	Florida.
214	xxvi	273	Lucina divaricata Linn.	
			<i>Tellina divaricata</i> Linn.	
			<i>Strigilla divaricata</i> Turton.	
214	xxvi	274	<i>radula</i> Montagu, e. l.	Northern coast.
214	xxvii	275	<i>contracta</i> Say, e. l.	Rhode Island.
214			<i>flexuosa</i> Montagu, e. l.	Northern coast.
Veneridæ.				
215	xxvi	268-69	Cyprina Islandica Linn.	
			<i>Venus Islandica</i> Linn.	
216	xxvii	279	Cytherea convexa Say.	
216			<i>occulta</i> Say, e. l.	Southern States.
216			<i>concentrica</i> Lam., e. l.	Va. to Florida.
216			<i>gigantea</i> Lam., e. l.	Southern States.
217	xxvii	276	Venus mercenaria Linn.	
218	xxvii	278	<i>notata</i> Say.	
218	xxvii	277	<i>gemma</i> Totten.	
219			<i>præparca</i> Say.	
			<i>V. notata</i> (var. ?) Gould.	
219			<i>inequalis</i> Say, e. l.	N. J. & Maryland.
219			<i>elevata</i> Say, e. l.	Southern Coast.
219			<i>Mortoni</i> Conrad, e. l.	Coast of N. & S. C.
220			<i>fluctuosa</i> Gould, e. l.	
220	xxviii	280	Astarte castanea Say.	
			<i>Venus castanea</i> Say.	
			<i>Crassina castanea</i> Conrad.	
			var. <i>picea</i> .	
			var. <i>procera</i> .	
221	xxviii	281	<i>sulcata</i> Montagu.	
			<i>Venus sulcata</i> Montagu.	
			<i>Crassina sulcata</i> Turton.	
			<i>Astarte Danmoniensis</i> Totten.	
221			<i>laotea</i> Broderip & Sowb., e. l.	Grand Banks.
221			? <i>quadrans</i> Gould, e. l.	Massachusetts.

**Cycladæ.**

Page.	Plate.	Fig.	Name.	Locality.
222	xxv	264-65	Cyclas similis Say. <i>C. Saratogea et sulcata</i> Lam.	
223	xxv	261	<i>dubia</i> Say. <i>S. striatina</i> Lam.	
223	xxv	262	<i>partumela</i> Say. <i>C. corneus</i> (var. 2, 3.) Lam.	
224	xxv	263	<i>rhomboidea</i> Say. <i>elegans</i> Adams.	
225			<i>edentula</i> Say.	
225			<i>transversa</i> Say, e. l.	Kentucky.
225			<i>staminea</i> Conrad, e. l.	
225			<i>elevata</i> Hald., e. l.	New Orleans.
226			<i>Pisidium abruptum</i> Hald., e. l.	Elk river, Md.
226			<i>abditum</i> Hald., e. l.	Lancaster Co., Pa.
226	xxv	266	Cyrena Carolinensis Bosc., e. l.	Carolina.

Saxicavidæ.

227	xxxiii	309 a, b	Saxicava distorta Say.	
228	xxviii	282	Petricola pholadiformis Lam. <i>Petricola fornicata</i> Say.	
228	xxviii	283	<i>dactylus</i> Sowerby.	

Mactridæ.

229	xxix	286	Mactra solidissima Chemnitz. <i>M. gigantea</i> Lam. <i>Spissula gigantea</i> Gray.	
230	xxix	287	<i>lateralis</i> Say. <i>Mulinia lateralis</i> Gray.	
230			<i>ovalis</i> Gould, e. l.	Northern coast.
230			<i>similis</i> Say, e. l.	R. I., N. Y.?
230			<i>fragilis</i> Chemnitz, e. l.	Georgia.
			<i>M. oblonga</i> Say.	
231			<i>nuculus</i> Conrad, e. l.	New Jersey.
231	xxix	288 a, b	Mesodesma arcata Conrad. <i>Mactra arcata</i> Conrad. <i>deaurata</i> Conrad.	
231			Mactra Jauresii Guérin, e. l.	Grand Banks.
232	xxxi	298	Lutraria canaliculata Say, e. l.	Md. to Florida.
232			<i>lineata</i> Say, e. l.	Ga. & Florida.
			<i>L. papyratia</i> Conrad.	
232			Montacuta bidentata Montagu, e. l.	New Bedford.
232			Kellea rubra Turton, e. l.	New Bedford.
233			Cumingia tellinoides Conrad. <i>Mactra tellinoides</i> Conrad.	

Page.	Plate.	Fig.	Name.	Locality.
233	xxv	267	Gnathodon cuneatum Sowerby, e. l.	Mobile.
233			flexuosum Conrad, e. l. [no description].	
Anatinidæ.				
234	xxxiii	311 a, b	Osteodesma hyalina Conrad.	
			<i>Mya hyalina</i> Conrad.	
			<i>Lyonsia hyalina</i> Conrad.	
			<i>Amphidesma corbuloides</i> Mass. Cat., p. 25.	
235	xxxi	300	Anatina papyracea Say.	
			<i>A. papyratia fragilis</i> Totten.	
236	xxxi	299, 301	Cochlodesma Leana Conrad.	
			<i>Anatina Leana</i> Conrad.	
237	xxviii	284	Thracia Conradi Couth.	
			<i>Thracia declivis</i> Conrad.	
237			Amphidesma flexuosa Lam., e. l.	Massachusetts.
237			<i>transversa</i> Say, e. l.	Long Isl. ? S. C.
237			? <i>punctata</i> Say, e. l.	Southern coast.
237			<i>orbiculata</i> Say, e. l.	Georgia.
238			<i>radiata</i> Say, e. l.	East Florida.
238			<i>lepida</i> Say, e. l.	South Carolina.
238			<i>æqualis</i> Say, e. l.	Southern coast.
Myadæ.				
239	xxxlii	310	Pandora trilineata Say.	
			<i>P. nasuta</i> Sowerby.	
240	xxx	290	Mya arenaria Linn.	
			<i>M. mercenaria</i> Say.	
240			<i>acuta</i> Say, e. l.	Southern coast.
240	xxix	289	<i>truncata</i> Linn., e. l.	Grand Banks.
241	xxviii	285	Corbula contracta Say.	
Solenidæ.				
242	xxxii	313	Solen ensis Lin.	
243	xxxiii	312	<i>viridis</i> Say, e. l.	Southern coast.
243	xxxii	307	Lepton fabagella Conrad, e. l.	Rhode Island.
243	xxxii	302	Solecurtus caribæus Lam.	
			<i>Solen caribæus</i> Lam.	
244			<i>fragilis</i> Montagu, e. l.	Mass., S'n coast.
			<i>S. centralis</i> Say.	
244	xxxli	301	Machæra costata Say.	
			<i>Solen costatus</i> Say.	
			<i>Solecurtus costatus</i> Say.	
245			<i>nitida</i> Gould, e. l.	Massachusetts.
245	xxx	292	Solemya velum Say.	
246	xxx	291	<i>borealis</i> Totten, e. l.	Mass., R. I.

Page.	Plate.	Fig.	Name.	Locality.
246			<i>Panopæa arotica</i> Lam., e. l.	Grand Banks.
246	xxxiii	308	<i>Glycimeris siliqua</i> Lam., e. l.	Grand Banks.

Pholidæ.

247	xxxii	306	<i>Pholas crispata</i> Linn.	
248	xxxiv	223	<i>truncata</i> Say.	
248			<i>costata</i> Linn., e. l.	Massachusetts.
248			<i>cuneliformis</i> Say, e. l.	Southern coast.
248			<i>oblongata</i> Say, e. l.	Car., Ga., Fla.

Teredinidæ.

249	xxxiv	325	<i>Teredo navalis</i> Linn.	
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TUNICATA.

259			<i>Ascidæa Manhattensis</i> De Kay.	
259			<i>rustica</i> Lam., e. l.	Northern coast.
259			<i>plicata</i> Lesueur, e. l.	Philadelphia.
259			<i>ovalis</i> Lesueur, e. l.	Philadelphia.
259			<i>lobifera</i> Lesueur, e. l.	Florida.
259			<i>proboscidea</i> Lesueur, e. l.	Florida.
259			<i>intestinalis</i> [no description].	Northern coast.
259			<i>microcosmus</i> [no description].	Nor. coast.
260	xxxiv	324	<i>Boltenia reniformis</i> McLeay.	
			<i>Ascidia clavata</i> Müll.?	
			<i>globifera</i> Sabine.	

Troost.—Seventh Annual Report on the Geology of Tennessee:
by G. TROOST, M. D. 1844.

LIST OF SHELLS.

Page.		Page.	
40	<i>Unio Æsopus</i> Green.	40	<i>Unio circulus</i> Lea.
40	<i>alatus</i> Say.	40	<i>cælatus</i> Conr.
40	<i>amœnus</i> Lea.	40	<i>clavus</i> Lam.
40	<i>anodontoides</i> Lea.	40	<i>Conradious</i> Lea.
40	<i>arcæiformis</i> Lea.	40	<i>Cooperianus</i> Lea.
40	<i>argenteus</i> Lea.	40	<i>cornutus</i> Barnes.
40	<i>asperrimus</i> Lea.	40	<i>crassidens</i> Lam.
40	<i>Barnesianus</i> Lea.	40	<i>crassus</i> Say.
40	<i>biangulatus</i> Lea.	40	<i>creperus</i> Lea.
40	<i>Bigbyensis</i> Lea.	40	<i>Cumberlandicus</i> Lea.
40	<i>brevidens</i> Lea.	40	<i>cuneolus</i> Lea.
40	<i>capsæiformis</i> Lea.	40	<i>cylindricus</i> Say.

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40	<i>Unio dactylus</i> Lea.
40	<i>dehiscens</i> Say.
40	<i>dolabelloides</i> Lea.
40	<i>dromas</i> Lea.
40	<i>ebenus</i> Lea.
40	<i>Edgarianus</i> Lea.
40	<i>elegans</i> Lea.
40	<i>ellipsis</i> Lea.
40	<i>fabalis</i> Lea.
40	<i>fatuus</i> Lea.
40	<i>foliatus</i> Hldr.
40	<i>fragosus</i> Contr.?
40	<i>gibbosus</i> Barnes.
40	<i>gibber</i> Lea.
40	<i>glaber</i> Lea.
40	<i>glans</i> Lea.
40	<i>gracilis</i> Barnes.
40	<i>Haysianus</i> Lea.
40	<i>Holstonensis</i> Lea.
40	<i>interruptus</i> Lea.
40	<i>iris</i> Lea.
40	<i>irroratus</i> Lea.
40	<i>lachrymosus</i> Lea.
40	<i>lenior</i> Lea.
40	<i>lens</i> Lea.
41	<i>Lesueurianus</i> Lea.
41	<i>lenosus</i> Contr.?
41	<i>Menkeianus</i> Lea.
41	<i>mcestus</i> Lea.
41	<i>metanever</i> Raf.
41	<i>Muhlfeldtianus</i> Lea.
41	<i>multiplicatus</i> Lea.
41	<i>multiradiatus</i> Lea.
41	<i>mytiloides</i> Raf.
41	<i>monodontus</i> Say.
41	<i>Nashvillianus</i> Lea.
41	<i>nitens</i> Lea.
41	<i>notatus</i> Lea.
41	<i>obscurus</i> Lea.
41	<i>ocoidens</i> Lea.
41	<i>ochraceus</i> Say?
41	<i>orbiculatus</i> Hldr.?
41	<i>ovatus</i> Say.
41	<i>parvus</i> Barnes.
41	<i>patulus</i> Lea.

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41	<i>Unio pectorosus</i> Contr.
41	<i>perdix</i> Lea.
41	<i>perplexus</i> Lea.
41	<i>personatus</i> Say.
41	<i>phaseolus</i> Hldr.
41	<i>pictus</i> Lea.
41	<i>pillaris</i> Lea.
41	<i>plicatus</i> Les.
41	<i>pulcher</i> Lea.
41	<i>pustulatus</i> Lea.
41	<i>pustulosus</i> Lea.
41	<i>pyramidatus</i> Lea.
41	<i>Ravenellianus</i> Lea.
41	<i>rectus</i> Lam.
41	<i>regularis</i> Lea.
41	<i>retusus</i> Lam.
41	<i>rubiginosus</i> Lea.
41	<i>securis</i> Lea.
41	<i>simus</i> Lea.
41	<i>Sowerbianus</i> Lea.
41	<i>sparsus</i> Lea.
41	<i>Stonensis</i> Lea.
41	<i>subrotundus</i> Lea.
41	<i>subtentus</i> Say.
41	<i>sulcatus</i> Lea.
41	<i>tener</i> Lea.
41	<i>Tennesseensis</i> Lea.
41	<i>triangularis</i> Barnes.
41	<i>trigonus</i> Lea.
41	<i>Troostensis</i> Lea.
41	<i>tuberculatus</i> Barnes.
41	<i>tuberosus</i> Lea.
41	<i>undulatus</i> Barnes.
41	<i>Vanuxemensis</i> Lea.
41	<i>varicosus</i> Lea.
41	<i>ventricosus</i> Barnes.
41	<i>verrucosus</i> Barnes.
41	<i>Zeiglerianus</i> Lea.
41	<i>zig-zag</i> Lea.
41	<i>Margaritana complanata</i> Lea.
41	<i>Curreyana</i> Lea.
41	<i>deltoides</i> Lea.
41	<i>fabula</i> Lea.
41	<i>Holstonia</i> Lea.

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Page.		Page.	
41	<i>Margaritana marginata</i> Lea.	42	<i>Melania globula</i> Lea.
41	<i>Raveneliana</i> Lea.	42	<i>gracilis</i> Lea.
41	<i>rugosa</i> Lea.	42	<i>Holstonia</i> Lea.
41	<i>Anodonta argentea</i> Lea.	42	<i>monoxonialis</i> Lea.
41	<i>Harpethensis</i> Lea.	42	<i>nitens</i> Lea.
41	<i>marginata</i> Lea.	42	<i>nodulosa</i> Lea.
42	<i>Melania acuta</i> Lea.	42	<i>obtusa</i> Lea.
42	<i>acuto-carinata</i> .	42	<i>Ocoeeensis</i> Lea.
42	<i>armigera</i> Say.	42	<i>plula</i> Lea.
42	<i>blanda</i> Lea.	42	<i>plicatula</i> Lea.
42	<i>caliginosa</i> Lea.	42	<i>regularis</i> Lea.
42	<i>castanea</i> Lea.	42	<i>rufa</i> Lea.
42	<i>Cincinnatiensis</i> Lea.	42	<i>sordida</i> Lea.
42	<i>circincta</i> Lea.	42	<i>spixiana</i> Lea.
42	<i>clavæformis</i> Lea.	42	<i>striata</i> Lea.
42	<i>columella</i> Lea.	42	<i>strigosa</i> Lea.
42	<i>concinna</i> Lea.	42	<i>subcylindracea</i> Lea.
42	<i>corrugata</i> Lea.	42	<i>subglobosa</i> Lea.
42	<i>costulata</i> Lea.	42	<i>subsolida</i> Lea.
42	<i>crebricostata</i> Lea.	42	<i>sulcosa</i> Lea.
42	<i>Curreyana</i> Lea.	42	<i>tenebrosa</i> Lea.
42	<i>decora</i> Lea.	42	<i>terebralis</i> Lea.
42	<i>dubiosa</i> Lea.	42	<i>teres</i> Lea.
42	<i>Duttoniana</i> Lea.	42	<i>Troostiana</i> Lea.
42	<i>ebenum</i> Lea.	42	<i>venusta</i> Lea.
42	<i>Edgariana</i> Lea.	42	<i>virgata</i> Lea.
42	<i>elongata</i> Lea.	42	<i>Io fusiformis</i> Lea.
42	<i>exarata</i> Lea.	42	<i>spinosa</i> Lea.
42	<i>fuliginosa</i> Lea.	42	<i>Polygyra Dorfeulliana</i>
42	<i>fusiformis</i> Lea.	42	<i>Troostiana</i> Lea.

Plummer.—Scraps in Natural History (Mollusca): by JOHN T. PLUMMER. (Amer. Journ. Sci. and Art, O. S., xlviii, No. 1, pp. 93-96. Oct.-Dec. 1844.)

Together with notes on the habits of Mollusks, is the following list of the shells about Richmond, Wayne Co., Indiana:—

Page.		Page.	
95	<i>Helix albolabris</i> Say.	95	<i>Helix fallax</i> Say.
95	<i>arborea</i> Say.	95	<i>fraterna</i> Say.
95	<i>alternata</i> Say.	95	<i>fuliginosa</i> Griff.
95	<i>clau</i> Say.	95	<i>hirsuta</i> Say.
95	<i>el</i> Say.	95	<i>inflecta</i> Say.

Page.		Page.	
95	<i>Helix ligera</i> Say.	96	<i>Paludina limosa</i> Say.
95	<i>multilineata</i> Say.	96	<i>lapidaria</i> Say.
95	<i>palliat</i> Say.	96	<i>Physa heterostroph</i> a Say.
95	<i>perspectiva</i> Say.	96	<i>gyrina</i> Say.
95	<i>profunda</i> Say.	96	<i>Limnea elodes</i> Say.
95	<i>solitaria</i> Say.	96	<i>Melania exilis</i> Hald.
95	<i>tridentata</i> Say.	96	<i>Succinea obliqua</i> Say (<i>cam-</i> <i>pestris</i>).
95	<i>thyroides</i> Say.	96	<i>Anodonta Ferrussaciana</i> Lea.
95	<i>zaleta</i> Say.	96	<i>Cycolas similis</i> Say.
95	<i>Limax</i> — ?	96	<i>Alasmodonta edentula</i> Say.
95	<i>Plagorhis bicarinatus</i> Say.	96	<i>calceola</i> Lea.
95	<i>parvus</i> Say.		
95	<i>trivolv</i> is Say.		

Linsley.—Catalogue of the Shells of Connecticut: by the late JAMES H. LINSLEY. (Amer. Journ. Sci. and Art, O. S., vol. xlviii, No. 2, pp. 271–286. Jan.–March, 1845. Same in pamphlet form, p. 1 being same as p. 271 of the Journal and so on.)

[No descriptions are given, but references to works and habitat. I omit Annulata and Cirripeda.—W. G. B.]

Page.		Page.	
273	<i>Teredo navalis</i> Linn.	274	<i>Macra lateralis</i> Say.
273	— (n. sp.)	274	<i>quadrangulata</i> Linsley. (Conn. to Georgia.)
273	<i>Pholas crispata</i> Linn.	274	<i>Solemya borealis</i> Totten.
273	<i>cuneiformis</i> Say.	274	<i>velum</i> Say.
273	<i>truncata</i> Say.	274	<i>Mesodesma arcata</i> Gould.
274	<i>Solen ensis</i> Linn.		<i>Macra arcata</i> Conr.
274	<i>viridis</i> Say.	274	<i>Montacuta bidentata</i> Mont.
274	<i>Solecurtus Caribæus</i> Lam.	275	<i>Amphidesma æquale</i> Say.
274	(<i>Machæra</i>) <i>costatus</i> Gould.	275	<i>Kellia rubra</i> Turton.
274	<i>fragilis</i> Conr.	275	<i>Corbula contracta</i> Say.
274	<i>Mya arenaria</i> Linn.	275	<i>Pandora trilineata</i> Say.
	(<i>mercenaria</i> Say.)	275	<i>Saxicava distorta</i> Say.
274	<i>subtruncata</i> Linsley.	275	<i>Petricola dactylus</i> .
274	<i>Anatina papyracea</i> Say.	275	<i>pholadiformis</i> Lam.
274	<i>Thracia truncata</i> Mighels.	275	<i>Sanguinolaria fusca</i> Conr.
274	<i>Osteodesma hyalina</i> Conr.	275	<i>sordida</i> Couth.
274	<i>Cochlodesma Leana</i> Conr.	275	<i>Tellina Balthica</i> Linn.
274	<i>Cumingia tellinoides</i> Conr.		<i>Sanguinolaria fusca</i> .
274	<i>Macra similis</i> Say.	275	<i>solidula</i> Soland.
274	<i>solidissima</i> Chemn.	275	<i>tenera</i> Say.
	<i>M. gigantea</i> Lam.	275	<i>tenta</i> Say.

Page.		Page.	
275	Tellina versicolor Cozzens.	277	Anodonta areolata Swains.
275	Lucina flexuosa Mont.	277	fluviatilis Dillwyn.
275	radula Mont.	277	Honsatonica Linsley.
275	Astarte castanea Say.	277	implicata Say.
275	mactracea Linsley. (With a wood-cut.)	277	marginata Say.
275	quadrans Gould.	277	undulata Say.
275	sulcata Mont.	277	subcylindracea Lea.
276	Cyclas dubia Say.	277	Modiola discors Lam.
276	elegans Adams.	278	glandula Totten.
276	minor Mighels.	278	modiolus Turton.
276	nitida Mighels.	278	nexa Gould.
276	orbicularia Barratt.	278	plicatula Lam.
276	partumela Say.	278	Mytilus edulis Linn.
276	rhomboidea Say.	278	striatus De Kay. <i>M. pellucidus</i> Pennant.
276	similis Say.	278	Pecten concentricus Say.
276	truncata Linsley.	278	Islandicus Chemn
276	Cyprina Islandica Lam.	278	fuscus Linsley.
276	Cytherea convexa Say.	278	Ostrea borealis Lam.
276	morrhua Linsley.	278	costata De Kay.
276	Venus gemma Totten.	278	Virginica Gmel.
276	mercenaria Say.	278	Anomia aculeata Gmel.
276	notata Say.	278	electrica Linn.
276	Cardium Groenlandicum Chemn.	278	ephippium Linn.
276	Mortoni Conr.	278	squamula Linn.
276	pinnulatum Conr.	278	Chiton fulminatus Couth. <i>C. lævigatus</i> Fleming?
276	Cardita borealis Conr.	278	ruber Lowe.
276	Arca pexata Say.	278	Patella ——— ?
276	transversa Say.	279	Lottia alveus Conr.
276	Nucula limatula Say.	279	testudinalis Müller.
277	proxima Say.	279	Crepidula alata Lea.
277	sapotilla Gould.	279	convexa Say.
277	tenuis Turton.	279	depressa Say.
277	Unio cariosus Say.	279	fornicata Lam.
277	complanatus Solander.	279	glauca Say.
277	compressus Lea.	279	plana Say.
277	heterodon Lea.	279	Ancylus fuscus Adams.
277	nasutus Say.	279	rivularis Say.
277	ochraceus Say.	279	tardus Say.
277	Pequottinus Linsley.	279	Bulla debilis Gould.
277	radiatus Barnes.	279	insculpta Totten.
277	Alasmodonta arouata Barn.	279	obstricta Gould.
277	marginata Say.	279	oryza Totten.
277	undulata Say.	279	triticea Couth.

- | Page. | | Page. | |
|-------|---------------------------------|-------|---------------------------------|
| 279 | Limax campestris Binney. | 281 | Cylostoma lapidaria Say. |
| 279 | <i>marmorata</i> De Kay. | 281 | Planorbis armigerus Say. |
| 279 | <i>tunicata</i> Gould. | 281 | <i>bicarinatus</i> Say. |
| | <i>L. agrestis</i> Linn. | 281 | <i>campanulatus</i> Say. |
| 279 | Helix albilabris Say. | 281 | <i>deflectus</i> Say. |
| 279 | <i>alternata</i> Say. | 282 | <i>dilatatus</i> Gould. |
| 280 | <i>arborea</i> Say. | 282 | <i>elevatus</i> Adams. |
| 280 | <i>chersina</i> Say. | 282 | <i>exacutus</i> Say. |
| 280 | <i>cellaria</i> Müller. | 282 | <i>hirsutus</i> Gould. |
| 280 | <i>electrina</i> Gould. | 282 | <i>lentus</i> Say. |
| 280 | <i>fraterna</i> Say. | 282 | <i>obliquus</i> De Kay. |
| 280 | <i>fuliginosa</i> Griffiths. | 282 | <i>parvus</i> Say. |
| 280 | <i>gularis</i> Say. | 282 | <i>trivolvus</i> Say. |
| 280 | <i>hirsuta</i> Say. | 282 | Physa aurea Lea = |
| 280 | <i>indentata</i> Say. | | <i>heterostropha</i> var. |
| 280 | <i>lineata</i> Say. | 282 | <i>elongata</i> Say. |
| 280 | <i>labyrinthica</i> Say. | | <i>P. hypnorum</i> Linn. |
| 280 | <i>minuscula</i> Binney. | 282 | <i>heterostropha</i> Say. |
| 280 | Trumbullii Linsley. | 282 | <i>Sayi</i> Tappan |
| | (With a description.) | | <i>ancillaria</i> var. |
| | <i>Margarita arctica</i> ? Eds. | 282 | Lymnæa caperata Say. |
| 280 | monodon Rackett. | | <i>L. umbilicata</i> Adams. |
| 280 | pulchella Müller. | 282 | <i>chalybea</i> Gould. |
| 280 | <i>Sayi</i> Binney. | 282 | <i>columella</i> Say. |
| 280 | <i>suppressa</i> Say. | 282 | <i>decollata</i> Mighels. |
| 280 | <i>striatella</i> Anthony. | 282 | <i>desidiosa</i> Say. |
| 280 | <i>subglobosa</i> ? Binney. | 282 | <i>elodes</i> Say. |
| 280 | <i>tridentata</i> Say. | 282 | <i>emarginata</i> Say. |
| 280 | <i>upa contracta</i> Say. | 282 | <i>Linsleyi</i> De Kay. |
| 280 | <i>ortocaria</i> Say. | | (With a description). |
| 280 | <i>pentodon</i> Say. | 282 | <i>macrostoma</i> Say. |
| 281 | <i>exigua</i> Say. | 283 | <i>modicellus</i> Say. |
| 281 | <i>fallax</i> Say. | | <i>L. humilis</i> Hald. |
| | <i>Cylostoma marginata</i> S. | 283 | Valvata pupoidea Gould. |
| 281 | <i>Gouldii</i> Binney. | 283 | <i>tricarinata</i> Say. |
| 281 | <i>millum</i> Gould. | 283 | <i>unicarinata</i> De Kay. |
| 281 | <i>modesta</i> Say. | 283 | Paludina decisa Say. |
| 281 | <i>ovata</i> Say. | 283 | <i>integra</i> Say. |
| 281 | <i>simplex</i> Gould. | | <i>P. microstoma</i> Kirtland. |
| 281 | Bulinus lubricus Brug. | 283 | <i>lustrica</i> ? Say. |
| 281 | Succinea avara Say. | | <i>Amnicola</i> Gould. |
| 281 | <i>campestris</i> Say. | 283 | Amnicola Cincinnatiensis |
| 281 | <i>ovalis</i> Say. | 283 | <i>grana</i> Say. [Anthony. |
| 281 | Auricula bidentata Say. | 283 | <i>porata</i> Say. |
| 281 | <i>denticulata</i> Mont. | 283 | <i>pallida</i> Hald. |

Page.		Page.	
283	<i>Natica duplicata</i> Say.	284	<i>Odostomia trifida</i> Gould.
283	<i>flava</i> Gould.		<i>Actæon</i> Totten.
283	<i>heros</i> Say.	284	<i>Cerithium nigroinctum</i>
283	<i>immaculata</i> Totten.		Adams.
283	<i>triseriata</i> Say.	285	<i>Say</i> Menke.
283	<i>Tornatella puncto-striata</i>	285	<i>Pleurotoma bicarinata</i> Cou.
	Adams.	285	<i>Fasciolaria ligata</i> Mighels &
283	<i>Vermetus lumbricalis</i> Lam.		Adams.
283	<i>Scalaria clathrus</i> Say.	285	<i>Fusus borealis</i> De Kay.
283	<i>Margarita obscura</i> Couth.	285	<i>corneus</i> Say (young).
283	<i>Turbo multilineatus</i> DeKay.	285	<i>imbricatus</i> De Kay.
284	<i>Lacuna neritoidea</i> Gould.	285	<i>harpularius</i> ? Couth.
284	<i>vinota</i> Mont.	285	<i>Trumbulli</i> Linsley.
	<i>L. fusca</i> De Kay.		(With desc. & wood-cut.)
284	— ?	285	<i>Pyrula canaliculata</i> Brug.
284	<i>Cingula aculeus</i> Gould.	285	<i>carica</i> Brug.
284	<i>arenaria</i> Mont.	285	<i>Ranella caudata</i> Say.
284	<i>minuta</i> Totten.	285	<i>Purpura lapillus</i> Say.
284	<i>Littorina irrorata</i> Say.	285	<i>Buccinum lunatum</i> Say.
284	<i>neritoides</i> De Kay.	285	<i>obsoletum</i> Say.
284	<i>pallata</i> Say.	285	<i>plicosum</i> Menke.
284	<i>rudis</i> Mont.	285	<i>rosaceum</i> Gould.
284	<i>tenebrosa</i> Mont.	285	<i>trivittatum</i> Say.
284	<i>Pyramis striatula</i> Couth.	285	<i>undatum</i> Linn.
284	<i>Turritella erosa</i> ? Couth.	285	<i>vibex</i> Say.
284	<i>interrupta</i> Totten.	285	<i>zonalis</i> Linsley.
284	<i>Odostomia exigua</i> Couth.	285	<i>Columbella avara</i> Say.
284	<i>fusca</i> Adams.	286	<i>Nautilus Connecticutensis</i>
284	<i>limnoidea</i> De Kay.		Linsley. (With a wood-cut).
284	<i>producta</i> Adams.	286	<i>Loligo illecebrosa</i> Lesueur.
284	<i>seminuda</i> Adams.	286	<i>punctata</i> De Kay.

Wheatley.—Catalogue of the Shells of the United States, with their Localities: by CHAS. M. WHEATLEY, Member Lyc. Nat. Hist. N. Y., Corr. Memb. Nat. Inst. Washington, Troy Lyc. Nat. Hist. New York, 1845. Second edition.

[No descriptions are given.]

Page.	No.	Name.	Locality.
1	1	<i>Dentalium dentale</i> Linn.	
1	2	<i>entalis</i> Linn.	Maine.
2	30	<i>Teredo navalis</i> Lam.	Staten Island.
2	31	<i>Pholas crispata</i> Linn.	Sandy Hook, N. Y.

Page.	No.	Name.	Locality.
2	32	<i>Pholas costata</i> Linn.	South Carolina.
2	33	<i>cuneiformis</i> Say.	Georgia.
2	34	<i>oblongata</i> Say.	Georgia.
2	35	<i>truncata</i> Say.	Staten Island.
2	36	<i>Gastrochœna modiolina</i> Lam.	South Carolina.
2	37	<i>Solen ensis</i> Linn.	Staten Island.
2	38	<i>viridis</i> Say.	Rhode Island.
2	39	<i>siliqua</i> Linn.	New York bay.
2	40	<i>Solecurtus caribæus</i> Blain.	Sandy Hook, N. Y.
2	41	<i>fragilis</i> Conrad.	New Bedford.
2	42	<i>centralis</i> Conrad.	Georgia.
2	43	<i>Maachœra nitida</i> Gould.	Stomach of codfish.
3	44	<i>costata</i> Gould.	Massachusetts bay.
3	45	<i>Panopœa arctica</i> Gould.	Stomach of codfish.
3	46	<i>Glycymeris siliqua</i> Lam.	Provincetown, Mass.
3	47	<i>Mya arenaria</i> Linn.	Staten Island.
3	48	<i>truncata</i> Linn.	Massachusetts bay.
3	49	<i>Anatina papyracea</i> Say.	Rhode Island.
3	50	<i>Cochlodesma Leana</i> Gould.	Staten Island.
3	51	<i>Thracia Conradi</i> Couth.	Massachusetts bay.
3		<i>truncata</i> Mighels.	Maine.
3	52	<i>Osteodesma hyalina</i> Couth.	Staten Island.
3	53	<i>Lutraria canaliculata</i> Say.	South Carolina.
3	54	<i>lineata</i> Say.	South Carolina.
3	55	<i>Cumingia tellinoides</i> Conrad.	New Bedford.
3	56	<i>Macra lateralis</i> Say.	New York bay.
3	57	<i>similis</i> Say.	South Carolina.
3	58	<i>solidissima</i> Chemn.	Staten Island.
3	59	<i>fragilis</i> Chemn.	South Carolina.
3	60	<i>nucleus</i> Conrad.	New Jersey.
3	61	<i>ovalis</i> Gould.	Massachusetts bay.
3	62	<i>Mesodesma arcata</i> Gould.	Massachusetts bay.
3	63	<i>Jaureali</i> De John.	Massachusetts bay.
3	64	<i>Montacuta bidentata</i> Mont.	New Bedford.
3	65	<i>Kellia rubra</i> Turton.	New Bedford.
4	66	<i>Gnathodon cuneata</i> Gray.	New Orleans.
4	67	<i>flexuosa</i> Conrad.	New Orleans.
4	68	<i>Solemya borealis</i> Totten.	Rhode Island.
4	69	<i>velum</i> Say.	Long Island.
4	70	<i>Amphidesma flexuosa</i> Lam.	Massachusetts.
4	71	<i>orbiculata</i> Say.	Georgia.
4	72	<i>equalis</i> Say.	Georgia.
4	73	<i>punctata</i> Say.	Georgia.
4	74	<i>radiata</i> Say.	Georgia.
4	75	<i>lepidæ</i> Say.	South Carolina.

Page.	No.	Name.	Locality.
4	76	<i>Amphidesma transversa Say.</i>	Georgia.
4	77	<i>Corbula contracta Say.</i>	New Bedford.
4	78	<i>Pandora trilineata Say.</i>	Staten Island.
4	79	<i>Saxacava rugosa Lam.</i>	Massachusetts bay.
4	80	<i>distorta Say.</i>	Massachusetts bay.
4	81	<i>rhomboides Desh.</i>	Massachusetts bay.
4	82	<i>Petricola pholadiformis Lam.</i>	Staten Island.
4	83	<i>dactylus Say.</i>	New Bedford.
4	84	<i>Sanguinolaria fusca Conrad.</i>	Long Island.
4	85	<i>rugosa Lam.</i>	Florida.
4	86	<i>lusoria Conrad.</i>	New Jersey.
4	87	<i>sordida Gould.</i>	Massachusetts bay.
4	88	<i>Tellina alternata Say.</i>	South Carolina.
4	89	<i>polita Say.</i>	South Carolina.
4	90	<i>iris Say.</i>	South Carolina.
4	91	<i>flexuosa Say.</i>	South Carolina.
4	92	<i>tenera Say.</i>	New Jersey.
4	93	<i>interstriata Say.</i>	Florida.
5	94	<i>lateralis Say.</i>	New Jersey.
5	95	<i>decora Say.</i>	Florida.
5	96	<i>mera Say.</i>	Massachusetts bay.
5	97	<i>tenta Say.</i>	Massachusetts bay.
5	98	<i>calcaria Say.</i>	Massachusetts bay.
5	99	<i>nasuta Conrad.</i>	Columbia river.
5	100	<i>versicolor Cozzens.</i>	New York bay.
5	101	<i>Lucina divaricata Lam.</i>	Rhode Island.
5	102	<i>contracta Say.</i>	Massachusetts bay.
5	103	<i>radula Lam.</i>	Massachusetts bay.
5	104	<i>flexuosa Gould.</i>	Massachusetts bay.
5	105	<i>Donax variabilis Say.</i>	Georgia.
5	106	<i>fossor Say.</i>	Long Island.
5	107	<i>Capsa lævigata Lam.</i>	Florida.
5	108	<i>Astarte castanea Say.</i>	Staten Island.
5	109	<i>lactea Br. & Sowb.</i>	Stomach of fish.
5	110	<i>quadrans Gould.</i>	Stomach of fish.
5	111	<i>sulcata Fleming.</i>	Coast of Maine.
5	112	<i>undata Gould.</i>	Coast of Maine.
5	113	<i>Portlandica Mighels.</i>	Coast of Maine.
5	114	<i>Cyclas similis Say.</i>	Ohio.
5	115	<i>dubia Say.</i>	Ohio.
5	116	<i>rhomboidea Say.</i>	Lake Champlain.
5	117	<i>partumeia Say.</i>	Ohio.
5	118	<i>staminea Conrad.</i>	Alabama.
5	119	<i>edentula Say.</i>	Canandaigua, N. Y.
5	120	<i>transversa Say.</i>	Kentucky.

Page.	No.	Name.	Locality.
5	121	<i>Cycolas elegans Adams.</i>	Vermont.
5	122	<i>nitida Mighels.</i>	Maine?
5	123	<i>minor Adams.</i>	Maine?
5	124	<i>altilis Anthony.</i>	Ohio.
6	125	<i>Cyrena Carolinensis Say.</i>	South Carolina.
6	126	<i>Cyprina Islandica Lam.</i>	Rhode Island.
6	127	<i>Cytherea concentrica Lam.</i>	Virginia.
6	128	<i>gigantea Lam.</i>	Florida.
6	129	<i>florida Lam.</i>	Florida.
6	130	<i>occulta Say.</i>	Southern States.
6	131	<i>convexa Say.</i>	New York.
6	132	<i>Venus elevata Say.</i>	South Carolina.
6	133	<i>exalbida Chemn.</i>	Apalachicola bay.
6	134	<i>fluctuosa Gould.</i>	Massachusetts bay.
6	135	<i>gemma Totten.</i>	Long Island.
6	136	<i>inequalis Say.</i>	Virginia.
6	137	<i>Mortoni Conrad.</i>	Virginia.
6	138	<i>mercenaria Linn.</i>	New York.
6	139	<i>notata Say.</i>	New York.
6	140	<i>præparca Say.</i>	Cape Cod.
6	141	<i>Cardium fasciatum Mont.</i>	South Carolina.
6	142	<i>Greenlandicum Gmelin.</i>	Maine.
6	143	<i>Islandicum Gmelin.</i>	Maine.
6	144	<i>Mortoni Conrad.</i>	Rhode Island.
6	145	<i>pinnulatum Conrad.</i>	Massachusetts bay.
6	146	<i>muricatum Linn.</i>	South Carolina.
6	147	<i>ventricosum Brug.</i>	South Carolina.
6	148	<i>Cardita borealis Conrad.</i>	Massachusetts bay.
6	149	<i>incrassata Sowerby.</i>	Florida.
6	150	<i>tridentata Say.</i>	South Carolina.
6	151	<i>Arca ponderosa Say.</i>	Florida.
6	152	<i>pexata Say.</i>	New York.
6	153	<i>incongrua Say.</i>	Georgia.
6	154	<i>transversa Say.</i>	New York.
7	155	<i>zebra Say.</i>	Florida.
7	156	<i>Nucula Jacksonii Gould.</i>	Maine.
7	157	<i>limatula Say.</i>	New York bay.
7	158	<i>minuta Gould.</i>	Nahant.
7	159	<i>myalis Couth.</i>	Massachusetts bay.
7	160	<i>navicularis Couth.</i>	Plymouth, Mass.
7	161	<i>proxima Say.</i>	New Bedford.
7	162	<i>sapotilla Gould.</i>	Cape Cod.
7	163	<i>tenuis Gould.</i>	Massachusetts bay.
7	164	<i>thraciæformis Storer.</i>	Stomach of fish.
7	165	<i>delphinodonta Mighels.</i>	Maine.

Page	No.	Name.	Locality.
7	166	<i>Nucula Cascoensis</i> <i>Mighels.</i>	Maine.
7	167	<i>Unio abruptus</i> <i>Say.</i>	Ohio.
7	168	<i>acutissimus</i> <i>Lea.</i>	Alabama.
7	169	<i>aheneus</i> <i>Lea.</i>	Black creek, Florida.
7	170	<i>alatus</i> <i>Say.</i>	Lake Champlain.
7	171	<i>altilis</i> <i>Conrad.</i>	Alabama.
7	172	<i>amcenus</i> <i>Lea.</i>	Tennessee.
7	173	<i>amygdalus</i> <i>Lea.</i>	Lake George, Florida.
7	174	<i>anodontoides</i> <i>Lea.</i>	Ohio.
7	175	<i>angustatus</i> <i>Lea.</i>	South Carolina.
7	176	<i>apiculatus</i> <i>Say.</i>	Louisiana.
7	177	<i>arctatus</i> <i>Conrad.</i>	Alabama.
7	178	<i>arctior</i> <i>Lea.</i>	Ohio.
7	179	<i>arcus</i> <i>Conrad.</i>	Alabama.
7	180	<i>arcæformis</i> <i>Lea.</i>	Tennessee.
7	181	<i>argenteus</i> <i>Lea.</i>	Tennessee.
7	182	<i>asper</i> <i>Lea.</i>	Alabama.
7	183	<i>asperimus</i> <i>Lea.</i>	Ohio.
7	184	<i>atër</i> <i>Lea.</i>	Alabama.
7	185	<i>atro-marginatus</i> <i>Lea.</i>	Georgia.
7	186	<i>Barnesianus</i> <i>Lea.</i>	Tennessee.
7	187	<i>Biglyensis</i> <i>Lea.</i>	Tennessee.
7	188	<i>Blandingianus</i> <i>Lea.</i>	Florida.
8	189	<i>biangularis</i> <i>Lea.</i>	Tennessee.
8	190	<i>Boydianus</i> <i>Lea.</i>	New York.
8	191	<i>Boykinianus</i> <i>Lea.</i>	Georgia.
8	192	<i>brevidens</i> <i>Lea.</i>	Ohio.
8	193	<i>Brumbyanus</i> <i>Lea.</i>	Alabama.
8	194	<i>Buckleyi</i> <i>Lea.</i>	Lakes George & Monroe, Fla.
8	195	<i>Buddianus</i> <i>Lea.</i>	Lakes George & Monroe, Fla.
8	196	<i>callosus</i> <i>Lea.</i>	Ohio.
8	197	<i>camelus</i> <i>Lea.</i>	Ohio.
8	198	<i>camptodon</i> <i>Say.</i>	Louisiana.
8	199	<i>capsæformis</i> <i>Lea.</i>	Western States.
8	200	<i>cariosus</i> <i>Say.</i>	Eastern rivers.
8	201	<i>catillus</i> <i>Conrad.</i>	Ohio.
8	202	<i>circulus</i> <i>Lea.</i>	Ohio.
8	203	<i>Cincinnatiensis</i> <i>Lea.</i>	Ohio.
8	204	<i>Clairbornensis</i> <i>Lea.</i>	Alabama.
8	205	<i>clavus</i> <i>Lam.</i>	Ohio.
8	206	<i>coccineus</i> <i>Hild.</i>	Ohio.
8	207	<i>coelatus</i> <i>Conrad.</i>	Tennessee.
8	208	<i>collinus</i> <i>Conrad.</i>	Virginia.
8	209	<i>Cooperianus</i> <i>Lea.</i>	Ohio.
8	210	<i>compressus</i> <i>Lea.</i>	Western riv's & lakes.

Page.	No.	Name.	Locality.
8	211	<i>Unio complanatus</i> Lam.	Maine to Florida.
8	212	<i>Congareus</i> Lea.	Congaree river, S. C.
8	213	<i>confertus</i> Lea.	South Carolina.
8	214	<i>Conradicus</i> Lea.	Western rivers.
8	215	<i>cornutus</i> Barnes.	Ohio.
8	216	<i>oor</i> Conrad.	Alabama.
8	217	<i>crassidens</i> Lam.	Western rivers.
8	218	<i>crocatus</i> Lea.	Savannah river.
8	219	<i>crassus</i> Say.	Western rivers.
8	220	<i>creperus</i> Lea.	Tennessee.
8	221	<i>cuprinus</i> Lea.	Tennessee.
8	222	<i>Cumberlandicus</i> Lea.	Cumberland riv., Ten.
8	223	<i>cuneolus</i> Lea.	Tennessee.
9	224	<i>cylindricus</i> Say.	Western rivers.
9	225	<i>dactylus</i> Lea.	Tennessee.
9	226	<i>decisus</i> Lea.	Alabama.
9	227	<i>declivis</i> Say.	Alabama.
9	228	<i>dehiscens</i> Say.	Ohio.
9	229	<i>dolabelloides</i> Lea.	Tennessee.
9	230	<i>dolabræformis</i> Lea.	Georgia.
9	231	<i>Dorfeuilianus</i> Lea.	Ohio.
9	232	<i>dromas</i> Lea.	Tennessee and Ala.
9	233	<i>Duttonianus</i> Lea.	Savannah river.
9	234	<i>Esopus</i> Green.	Western rivers.
9	235	<i>elegans</i> Lea.	Ohio river.
9	236	<i>ellipsis</i> Lea.	Ohio river.
9	237	<i>exiguus</i> Lea.	Georgia.
9	238	<i>Edgarianus</i> Lea.	Tennessee.
9	239	<i>ellipsiformis</i> Conrad.	Michigan.
9	240	<i>ebenus</i> Lea.	Ohio.
9	241	<i>fabilis</i> Lea.	Ohio.
9	242	<i>Fisherianus</i> Lea.	Maryland.
9	243	<i>foliatus</i> Hild.	Ohio.
9	244	<i>fortuus</i> Lea.	Tennessee.
9	245	<i>folliculatus</i> Lea.	Savannah river.
9	246	<i>fragosus</i> Conrad.	Scioto river Ohio.
9	247	<i>furvus</i> Conrad.	Alabama.
9	248	<i>fuscatus</i> Lea.	Black creek, Florida.
9	249	<i>fulvus</i> Lea.	South Carolina.
9	250	<i>Geddingianus</i> Lea.	South Carolina.
9	251	<i>Georgianus</i> Lea.	Georgia.
9	252	<i>gibber</i> Lea.	Carry Fork river, Tenn.
9	253	<i>gibbosus</i> Barnes.	Western rivers.
9	254	<i>glaber</i> Lea.	Tennessee.
9	255	<i>globosus</i> Lea.	Western rivers.

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9	256	Unio glans <i>Lea.</i>	Ohio.
9	257	gracilis <i>Barnes.</i>	Ohio.
9	258	Greeni <i>Conrad.</i>	Black Warrior river.
9	259	Griffithianus <i>Lea.</i>	South Carolina.
10	260	graniferus <i>Lea.</i>	Ohio.
10	261	Haysianus <i>Lea.</i>	Tennessee.
10	262	heterodon <i>Lea.</i>	Pennsylvania.
10	263	Hembeli <i>Conrad.</i>	Southern rivers.
10	264	Hildrethianus <i>Lea.</i>	Western rivers.
10	265	Holstonensis <i>Lea.</i>	Tennessee.
10	266	Hopetonensis <i>Lea.</i>	Hopeton river, Ga.
10	267	inflatus <i>Lea.</i>	Southwestern rivers.
10	268	irroratus <i>Lea.</i>	Ohio.
10	269	incrasatus <i>Lea.</i>	Georgia.
10	270	interruptus <i>Lea.</i>	Harpeth river, Tenn.
10	271	infucatus <i>Conrad.</i>	Alabama.
10	272	Jayensis <i>Lea.</i>	Florida.
10	273	jejunus <i>Lea.</i>	North Carolina.
10	274	Kirtlandianus <i>Lea.</i>	Ohio.
10	275	Kathrinæ <i>Lea.</i>	Lake Superior.
10	276	levissimus <i>Lea.</i>	Western rivers.
10	277	lachrymosus <i>Lea.</i>	Ohio.
10	278	Lecontianus <i>Lea.</i>	Conochee river, Ga.
10	279	Lesueurianus <i>Lea.</i>	Tennessee.
10	280	lenoir <i>Lea.</i>	Tennessee.
10	281	lineatus <i>Lea.</i>	Georgia.
10	282	luteolus <i>Lam.</i>	Western rivers.
10	283	lienosus <i>Conrad.</i>	Alabama.
10	284	lens <i>Lea.</i>	Western rivers.
10	285	lanceolatus <i>Lea.</i>	North Carolina.
10	286	lugubris <i>Lea.</i>	Georgia.
10	287	multiplicatus <i>Lea.</i>	Western rivers.
10	288	metanever <i>Lea.</i>	Ohio.
10	289	minor <i>Lea.</i>	Lakes George & Monroe, Fla.
10	290	Monroensis <i>Lea.</i>	Lake Monroe, Florida.
10	291	monodontus <i>Say.</i>	Ohio.
10	292	modioliformis <i>Lea.</i>	South Carolina.
10	293	multiradiatus <i>Lea.</i>	Ohio.
10	294	Menkianus <i>Lea.</i>	Harpeth river, Tenn.
11	295	Muhlfeldianus <i>Lea.</i>	Cumberland river.
11	296	maculatus <i>Conrad.</i>	Alabama.
11	297	Masoni <i>Conrad.</i>	Savannah.
11	298	nasutus <i>Say.</i>	East'n & West'n rivs.
11	299	Nashvillianus <i>Lea.</i>	Tennessee.
11	300	neglectus <i>Lea.</i>	North Alabama.

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11	301	Unio nicestus <i>Lea.</i>	Tennessee.
11	302	<i>nitens</i> <i>Lea.</i>	Tennessee.
11	303	Novi-Eborachi <i>Lea.</i>	Oak Orchard cr., N. Y.
11	304	<i>notatus</i> <i>Lea.</i>	Cumberland river.
11	305	<i>obscurus</i> <i>Lea.</i>	Tennessee.
11	306	<i>obesus</i> <i>Lea.</i>	Yorktown, Va.
11	307	<i>obliquus</i> <i>Lam.</i>	Western rivers.
11	308	<i>occultus</i> <i>Lea.</i>	Black creek, Florida.
11	309	<i>ochraceus</i> <i>Say.</i>	N. J. & Connecticut.
11	310	<i>ovatus</i> <i>Say.</i>	Western rivers.
11	311	<i>oviformis</i> <i>Conrad.</i>	Alabama.
11	312	<i>patulus</i> <i>Lea.</i>	Ohio.
11	313	<i>paulus</i> <i>Lea.</i>	Georgia.
11	314	<i>parvus</i> <i>Barnes.</i>	Ohio.
11	315	<i>perplexus</i> <i>Lea.</i>	Ohio.
11	316	<i>penitus</i> <i>Conrad.</i>	Alabama.
11	317	<i>perdix</i> <i>Lea.</i>	Ohio & Tennessee.
11	318	<i>perovatus</i> <i>Conrad.</i>	Alabama.
11	319	<i>perovallis</i> <i>Conrad.</i>	Alabama.
11	320	<i>personatus</i> <i>Say.</i>	Ohio.
11	321	<i>phaseolus</i> <i>Hild.</i>	Ohio.
11	322	Phillipii <i>Conrad.</i>	Wabash.
11	323	<i>plicatus</i> <i>Say.</i>	Ohio.
11	324	<i>plenus</i> <i>Lea.</i>	Ohio.
11	325	<i>pictus</i> <i>Lea.</i>	Tennessee.
11	326	<i>pilaris</i> <i>Lea.</i>	Tennessee.
11	327	<i>pileus</i> <i>Lea.</i>	Ohio.
11	328	pyramidatus <i>Lea.</i>	Ohio.
11	329	<i>pustulatus</i> <i>Lea.</i>	Ohio.
11	330	<i>pustulosus</i> <i>Lea.</i>	Ohio.
12	331	purpuratus <i>Lam.</i>	Western rivers.
12	332	<i>pumilis</i> <i>Lea.</i>	Black river, N. C.
12	333	<i>pusillus</i> <i>Lea.</i>	Georgia.
12	334	<i>productus</i> <i>Conrad.</i>	Savannah.
12	335	<i>pulcher</i> <i>Lea.</i>	Tennessee.
12	336	<i>rubiginosus</i> <i>Lea.</i>	Western rivers.
12	337	<i>radiatus</i> <i>Lea.</i>	Lake Champlain.
12	338	<i>Rangianus</i> <i>Lea.</i>	Ohio.
12	339	Ravenellianus <i>Lea.</i>	South Carolina.
12	340	<i>rectus</i> <i>Lam.</i>	South Carolina.
12	341	<i>regularis</i> <i>Lea.</i>	Tennessee.
12	342	<i>retusus</i> <i>Lea.</i>	Western rivers.
12	343	Roanokensis <i>Lea.</i>	North Carolina.
12	344	<i>rotundatus</i> <i>Linn.</i>	Louisiana.
12	345	<i>rubellus</i> <i>Conrad.</i>	Alabama.

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12	346	Unio Sayii Tappan.	Wisconsin.
12	347	Schoolcraftensis Lea.	Fox river, Green bay.
12	348	securis Lea.	Ohio.
12	349	Shepardianus Lea.	Georgia.
12	350	siliquoides Barnes.	Ohio.
12	351	simus Lea.	Cumberland river.
12	352	Sowerbianus Lea.	Tenn. & Alabama.
12	353	solidus Lea.	Ohio.
12	354	Sloatianus Lea.	Georgia.
12	355	spinosus Lea.	Alabama & Georgia.
12	356	splendidus Lea.	Altamaha river.
12	357	sparsus Lea	Tennessee.
12	358	stapes Lea.	Ohio & Alabama.
12	359	Stonensis Lea.	Tennessee.
12	360	strigosus Lea.	Georgia.
12	361	striatus Lea.	Georgia.
12	362	stramineus Conrad.	Alabama.
12	363	subrotundus Lea.	Ohio.
12	364	subplanus Conrad.	Virginia.
12	365	subangulatus Lea.	Georgia.
13	366	subovatus Lea.	Ohio river.
13	367	subtentus Say.	Southern rivers.
13	368	sulcatus Lea.	Western rivers.
13	369	trapezoides Lea.	Lake St. Joseph, La.
13	370	Taitianus Lea.	Tennessee.
13	371	Tappanianus Lea.	Troy, N. Y.
13	372	tetralasmus Say.	Louisiana.
13	373	tenuissimus Lea.	Western rivers.
13	374	tenerus Raf.	Virginia.
13	375	Tennesseensis Lea.	Tennessee.
13	376	tener Lea.	Tennessee.
13	377	tortivus Lea.	Georgia.
13	378	toeniatus Conrad.	Flint river, Ga.
13	379	Troostensis Lea.	Tennessee.
13	380	trigonus Lea.	Ohio.
13	381	triangularis Barnes.	Western rivers.
13	382	trosculus Lea.	Lake Monroe, Fla.
13	383	turgidus Lea.	Bayou Teche, La.
13	384	tuberculatus Barnes.	Western rivers.
13	385	undulatus Barnes.	Western rivers.
13	386	varicosus Lea.	Ohio.
13	387	vanuxemensis Lea.	Cumberland river.
13	388	Vaughanianus Lea.	South Carolina.
13	389	ventricosus Barnes.	Lake Champlain.
13	390	verrucosus Barnes.	Ohio.

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13	391	Unio venustus <i>Lea.</i>	Missouri.
13	392	<i>vibex</i> <i>Conrad.</i>	Alabama.
13	393	Watercensis <i>Lea.</i>	South Carolina.
13	394	Zeiglerianus <i>Lea.</i>	Cumberland riv., Tenn.
13	395	Alasmodonta aroula <i>Lea.</i>	Altamaha river.
13	396	<i>cuneyana</i> <i>Lea.</i>	Tennessee.
13	397	<i>calceola</i> <i>Lea.</i>	Ohio.
13	398	<i>complanata</i> <i>Lea.</i>	Western rivers.
13	399	<i>confragosa</i> <i>Lea.</i>	Western rivers.
14	400	<i>deltoides</i> <i>Lea.</i>	Western rivers.
14	401	<i>edentula</i> <i>Say.</i>	Wabash.
14	402	<i>fabula</i> <i>Lea.</i>	Cumberland river.
14	403	Holstonia <i>Lea.</i>	Holstein river.
14	404	<i>marginata</i> <i>Lea.</i>	East'n & West'n rivers.
14	405	<i>margaritifera</i> <i>Lam.</i>	Eastern rivers.
14	406	<i>radiata</i> <i>Lea.</i>	Alabama.
14	407	<i>rugosa</i> <i>Lea.</i>	Western rivers.
14	408	<i>Ravenelliana</i> <i>Lea.</i>	North Carolina.
14	409	<i>undulata</i> <i>Lea.</i>	New Jersey
14	410	Anodonta argentea <i>Lea.</i>	Tennessee.
14	411	<i>Benedictensis</i> <i>Lea.</i>	Lake Champlain.
14	412	<i>carinifera</i> <i>Conrad.</i>	Kentucky.
14	413	Couperiana <i>Lea.</i>	Georgia.
14	414	decora <i>Lea.</i>	Ohio canals.
14	415	<i>declivis</i> <i>Conrad.</i>	Kentucky.
14	416	<i>edentula</i> <i>Lea.</i>	Western rivers.
14	417	<i>fragilis</i> <i>Lam.</i>	Western rivers.
14	418	<i>ferruginea</i> <i>Lea.</i>	Tennessee.
14	419	<i>Footiana</i> <i>Lea.</i>	Fort Winnebago.
14	420	<i>Ferussaciana</i> <i>Lea.</i>	Ohio river.
14	421	<i>fluvialilis</i> <i>Lea.</i>	Eastern rivers.
14	422	<i>grandis</i> <i>Say.</i>	Southern rivers.
14	423	<i>gibbosa</i> <i>Lea.</i>	Georgia.
14	424	gigantea <i>Lea.</i>	Mississippi river.
14	425	<i>glauca</i> <i>Lam.</i>	Western rivers.
14	426	Harpethiana <i>Lea.</i>	Harpeth river, Tenn.
14	427	<i>implicata</i> <i>Say.</i>	Plymouth, Mass.
14	428	<i>incerta</i> <i>Lea.</i>	Ohio.
14	429	<i>lugubris</i> <i>Say.</i>	Cumberland river.
14	430	<i>Marryattiana</i> <i>Lea.</i>	Fort Winnebago.
14	431	Newtoniensis <i>Lea.</i>	Newton creek, N. J.
14	432	<i>Nuttalliana</i> <i>Lea.</i>	Oregon Territory.
14	433	Oregonensis <i>Lea.</i>	Oregon Territory.
14	434	<i>ovata</i> <i>Lea.</i>	Ohio.
15	435	parvonia <i>Lea.</i>	Ohio.

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15	436	<i>Anodonta plana</i> Lea.	Ohio.
15	437	<i>salmonia</i> Lea.	Ohio.
15	438	<i>Stewartiana</i> Lea.	Western rivers.
15	439	<i>subvexa</i> Conrad.	Alabama.
15	440	<i>suborbiculata</i> Say.	Illinois.
15	441	<i>subcylindracea</i> Lea.	Orleans Co., N. Y.
15	442	<i>undulata</i> Say.	Ohio.
15	443	<i>virgata</i> Conrad.	Ohio.
15	444	<i>Wahlamatensis</i> Lea.	Oregon.
15	445	<i>Wardiana</i> Lea.	Ohio.
15	446	<i>Buchanensis</i> Lea.	Buck creek, Ohio.
15	447	<i>angulata</i> Lea.	Lewis river.
15	448	<i>Chama arcinella</i> Linn.	Florida.
15	449	<i>Lazarus</i> Lam.	Key West, Fla.
15	450	<i>Modiola Americana</i> Leach.	Southern States.
15	451	<i>castanea</i> Say.	Southern States.
15	452	<i>discors</i> Linn.	Massachusetts bay.
15	453	<i>discrepans</i> Mont.	Chelsea beach.
15	454	<i>glandula</i> Totten.	Provincetown, Mass.
15	455	<i>modiolus</i> Turton.	Massachusetts bay.
15	456	<i>nexa</i> Gould.	Provincetown, Mass.
15	457	<i>plicatula</i> Lam.	Long Island.
15	458	<i>pectinula</i> Gould.	Massachusetts bay.
15	459	<i>Mytilus cubitus</i> Say.	Georgia.
15	460	<i>edulis</i> Linn.	New-York bay.
15	461	<i>hamatus</i> Say.	Southern States.
15	462	<i>incurvatus</i> Penn.	Massachusetts bay.
15	463	<i>lateralis</i> Say.	Southern States.
15	464	<i>leucophæatus</i> Conrad.	Southern States.
15	465	<i>pellucidus</i> Penn.	New York bay.
15	466	<i>ungulatus</i> Linn.	Massachusetts bay.
16	467	<i>Pinna seminuda</i> Lam.	South Carolina.
16	468	<i>muricata</i> Linn.	St. Simon's island, Ga.
16	469	<i>rudis</i> Lam.	South Carolina.
16	470	<i>Avicula Atlantica</i> Lam.	South Carolina.
16	471	<i>Lima glacialis</i> Lam.	Florida.
16	472	<i>squamosa</i> Lam.	Florida.
16	473	<i>Pecten concentricus</i> Say.	New York.
16	474	<i>Islandicus</i> Chem.	Massachusetts bay.
16	475	<i>Magellanicus</i> Lam.	Maine.
16	476	<i>ornatus</i> Lam.	Florida.
16	477	<i>nodosus</i> Lam.	Florida.
16	478	<i>purpuratus</i> Lam.	Atlantic coast.
16	479	<i>tenuicostatus</i> Mighels.	Maine.
16	480	<i>Plicatula rimosa</i> Lam.	Florida.

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16	481	<i>Ostrea borealis</i> Lam.	New York.
16	482	<i>equestris</i> Say.	Florida.
16	483	<i>costata</i> De Kay.	New York.
16	484	<i>semicylindrica</i> Say.	Florida.
16	485	<i>Virginiana</i> Lister.	New York.
16	486	<i>Anomia ephippium</i> Linn.	New York bay.
16	487	<i>undulata</i> Linn.	Massachusetts bay.
16	488	<i>aculeata</i> Gmelin.	Massachusetts bay.
16	489	<i>squamula</i> Linn.	Massachusetts bay.
16	490	<i>electrica</i> Linn.	Massachusetts bay.
16	491	<i>patellaris</i> Lam.	New York bay.
16	492	<i>Terebratula psittacea</i> Lam.	Coast of Maine.
16	493	<i>caput serpentis</i> Gould.	Massachusetts bay.
16	494	<i>thalasina</i> Gould.	Massachusetts bay.
17	495	<i>Chiton albus</i> Mont.	Massachusetts bay.
17	496	<i>apiculatus</i> Say.	Gardiner's island.
17	497	<i>Emersonii</i> Couth.	Massachusetts bay.
17	498	<i>fulminatus</i> Couth.	Cohasset.
17	499	<i>marginatus</i> Gmelin.	Phillips' beach.
17	500	<i>pectinatus</i> Gould.	Phillips' beach.
17	501	<i>ruber</i> Lowe.	Phillips' beach.
17	502	<i>mendicarius</i> Mighels.	Maine.
17	503	<i>Patella candida</i> Couth.	Massachusetts bay.
17	504	<i>Oregana</i> Nuttall.	Columbia river.
17	505	<i>Patelloida testudinalis</i> Couth.	Massachusetts bay.
17	506	<i>alveus</i> Conrad.	Massachusetts bay.
17	507	<i>Siphonaria alternata</i> Say.	Florida.
17	508	<i>Cemoria Noachina</i> Lam.	Massachusetts bay.
17	509	<i>princeps</i> Mighels.	Maine.
17	510	<i>Calyptræa striata</i> Say.	New Jersey.
17	511	<i>Crepidula fornicata</i> Lam.	New York bay.
17	512	<i>unguiformis</i> Lam.	New York bay.
17	513	<i>intorta</i> Say.	Southern States.
17	514	<i>convexa</i> Say.	Atlantic coast.
17	515	<i>depressa</i> Say.	Southern States.
17	516	<i>glauca</i> Say.	Chelsea beach.
17	517	<i>plana</i> Say.	New York bay.
17	518	<i>Ancylus rivularis</i> Say.	Ohio and New York.
17	519	var. <i>Brunneus</i> Hald.	James river, Va.
17	520	<i>flosus</i> Conrad.	Alabama.
17	521	<i>tardus</i> Say.	Vermont.
17	522	<i>parallelus</i> Hald.	New England.
17	523	<i>fuscus</i> Adams.	Andover, Mass.
18	524	<i>crassus</i> Hald.	Oregon.
18	525	<i>diaphanus</i> Hald.	Ohio.

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18	526	<i>Ancylus depressus</i> Hald.	Holstein river, Va.
18	527	<i>obscurus</i> Hald.	Nolachucky riv., Tenn.
18	528	<i>Bullina canaliculata</i> Say.	St. Simon's island, Ga.
18	529	<i>Bulla debilis</i> Gould.	Massachusetts bay.
18	530	<i>Gouldii</i> Couth.	Massachusetts bay.
18	531	<i>hiemalis</i> Couth.	Massachusetts bay.
18	532	<i>insculpta</i> Totten.	New York bay.
18	533	<i>lineolata</i> Couth.	Massachusetts bay.
18	534	<i>obstricta</i> Gould.	New York bay.
18	535	<i>oryza</i> Totten.	Newport river.
18	536	<i>triticea</i> Couth.	Massachusetts bay.
18	537	<i>pertenuis</i> Michels.	Maine.
18	538	<i>Vitrina pellucida</i> Drap.	Iowa Territory
18	539	<i>Helix albolabris</i> Say.	United States.
18	540	<i>alternata</i> Say.	New York to Ohio.
18	541	<i>appressa</i> Say.	Western States.
18	542	<i>arborea</i> Say.	Mass. to Ohio.
18	543	<i>avara</i> Ferrussac.	Florida.
18	544	<i>auriculata</i> Lam.	Florida.
18	545	<i>clausa</i> Say.	Western States
18	546	<i>cellaria</i> Müll.	Massachusetts.
18	547	<i>concava</i> Say.	Ohio.
18	548	<i>Columbiana</i> Lea.	Oregon Territory.
18	549	<i>Cumberlandicus</i> Lea.	Tennessee.
18	550	<i>dentifera</i> Binney.	Vermont.
18	551	<i>dealbata</i> Say.	Missouri.
18	552	<i>demissa</i> Say.	Alabama.
18	553	<i>diodonta</i> Say.	Ohio.
18	554	<i>Dorfeuilliana</i> Lea.	Ohio.
18	555	<i>elevata</i> Say.	Western States.
19	556	<i>electrina</i> Gould.	Cambridge, Mass
19	557	<i>Edgarina</i> Lea.	Tennessee.
19	558	<i>egena</i> Say.	Pennsylvania.
19	559	<i>fatigata</i> Binney.	Vermont.
19	560	<i>fraterna</i> Say.	East'n & West'n States.
19	561	<i>fuliginosa</i> Griff.	Ohio.
19	562	<i>glaphyra</i> Say.	Ohio.
19	563	<i>gularis</i> Say.	Ohio.
19	564	<i>hortensis</i> Müll.	Portsmouth, N. H.
19	565	<i>harpa</i> Say.	Southwestern States.
19	566	<i>hirsuta</i> Say.	Staten Island.
19	567	<i>inornata</i> Say.	Pennsylvania.
19	568	<i>inflecta</i> Say.	Western States.
19	569	<i>indentata</i> Say.	Ohio.
19	570	<i>interna</i> Say.	Kentucky.

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19	571	<i>Heliæ immitissima</i> Lea.	Cincinnati.
19	572	<i>irrorata</i> Say.	Pennsylvania.
19	573	<i>labyrinthica</i> Say.	Massachusetts.
19	574	<i>ligera</i> Say.	Ohio.
19	575	<i>lineata</i> Say.	Ohio & Mass.
19	576	<i>incubrata</i> Say.	Alabama.
19	577	<i>Mobiliana</i> Lea.	Mobile.
19	578	<i>monodon</i> Binney.	Western States.
19	579	<i>minuta</i> Say.	Mass. to Missouri.
19	580	<i>multilineata</i> Say.	Southwestern States.
19	581	<i>Michelliana</i> Lea.	Ohio.
19	582	<i>Nuttalliana</i> Lea.	Oregon.
19	583	<i>obstricta</i> Say.	Ohio.
19	584	<i>pallida</i> Say.	Ohio.
19	585	<i>Pennsylvanica</i> Green.	Pennsylvania.
19	586	<i>perspectiva</i> Say.	New York & Ohio.
19	587	<i>porcina</i> Say.	Iowa.
19	588	<i>profunda</i> Say.	Ohio.
19	589	<i>plicata</i> Say.	Alabama.
19	590	<i>septemvolvæ</i> Ferussac.	Georgia.
19	591	<i>solitaria</i> Say.	Ohio.
20	592	<i>subplana</i> Biancy.	Tennessee.
20	593	<i>suppressa</i> Say.	Ohio.
20	594	<i>thyroidus</i> Say.	Eastern States.
20	595	<i>Townsendiana</i> Lea.	Oregon.
20	596	<i>tridentata</i> Say.	Mass. to Missouri.
20	597	<i>Troostiana</i> Lea.	Tennessee.
20	598	<i>tenuistriata</i> Lea.	Cincinnati.
20	599	<i>Tennesseensis</i> Lea.	Tennessee.
20	600	<i>Wardiana</i> Lea.	Ohio.
20	601	<i>Vancouverensis</i> Lea.	Oregon.
20	602	<i>zeleta</i> Say.	Western States.
20	603	<i>Carocolla Edgarina</i> Lea.	Tennessee.
20	604	<i>Cumberlandious</i> Lea.	Tennessee.
20	605	<i>spinosa</i> Lea.	Alabama.
20	606	<i>Helicina orbiculata</i> Say.	Ohio & Florida.
20	607	<i>occulta</i> Say.	Indiana.
20	608	<i>Pupa armifera</i> Say.	Western States.
20	609	<i>badia</i> Adams.	Crown Point, N. Y.
20	610	<i>carinata</i> Gould.	Maryland.
20	611	<i>contracta</i> Say.	Virginia.
20	612	<i>corticaria</i> Say.	Ohio.
20	613	<i>curvidens</i> Gould.	Massachusetts.
20	614	<i>exigua</i> Say.	Pennsylvania.
20	615	<i>fallax</i> Say.	Massachusetts.

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20	616	Pupa ovata Say.	Pennsylvania.
20	617	<i>placida Say.</i>	Massachusetts.
20	618	<i>millium Gould.</i>	Massachusetts.
20	619	<i>simplex Gould.</i>	Massachusetts.
20	620	<i>rupicola Say.</i>	Florida.
20	621	<i>procera Gould.</i>	Baltimore.
20	622	Tappanianus Ward.	Massachusetts.
20	623	<i>modesta Say.</i>	Iowa.
20	624	<i>pentodon Say.</i>	Ohio.
21	625	Bulimus lubricus Drap.	Massachusetts.
21	626	<i>dealbatus Say.</i>	Western prairies.
21	627	<i>mutilatus Say.</i>	South Carolina.
21	628	<i>multilineatus Say.</i>	Florida.
21	629	<i>radiatus Lam.</i>	Western prairies.
21	630	Achatina striata Lam.	Georgia.
21	631	<i>solida Say.</i>	Florida.
21	632	<i>virginia Lam.</i>	Florida.
21	633	Succinea avara Say.	Ohio to New York.
21	634	<i>aurea Lea.</i>	Ohio.
21	635	<i>aperta Lea.</i>	Oregon.
21	636	<i>campestris Say.</i>	Southern States.
21	637	Nuttalliana Lea.	Oregon.
21	638	<i>ovalis Say.</i>	East'n & West'n States.
21	639	<i>obliqua Say.</i>	Penn. to Ohio.
21	640	Oregonensis Lea.	Oregon.
21	641	<i>inflata Lea.</i>	South Carolina.
21	642	<i>retusa Say.</i>	Ohio.
21	643	Totteniana Lea.	Rhode Island.
21	644	<i>vermeta Say.</i>	Indiana.
21	645	Wardiana Lea.	Ohio.
21	646	Auricula bidentata Say.	Mass. to Florida.
21	647	<i>lineata Say.</i>	Maryland & N. Jersey.
21	648	<i>obliqua Say.</i>	South Carolina.
21	649	<i>borealis Conrad.</i>	Rhode Island.
21	650	<i>denticulata Mont.</i>	Massachusetts bay.
21	651	Planorbis armigerus Say.	Mass. to Missouri.
21	652	<i>bellus Lea.</i>	Tennessee.
21	653	<i>bicarinatus Say.</i>	Mass. to Missouri.
21	654	Buchanensis Lea.	Ohio.
21	655	<i>campanulatus Say.</i>	Maine to Ohio.
21	656	<i>corpulentus Say.</i>	New York to Ohio.
22	657	<i>concavus Anthony.</i>	Ohio.
22	658	<i>deflectus Say.</i>	Western States.
22	659	<i>dilatatus Gould.</i>	Massachusetts.
22	660	<i>exacrus Say.</i>	Western States.

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22	661	Planorbis glabratus Say.	South Carolina.
22	662	<i>lentus Say.</i>	Ohio.
22	663	<i>megasoma De Kay.</i>	New York island.
22	664	<i>obtusa Lea.</i>	Ohio.
22	665	<i>obliquus De Kay.</i>	New York island.
22	666	<i>parallelus Say.</i>	Upper Missouri.
22	667	<i>regularis Lea.</i>	Western rivers.
22	668	<i>trivolvus Say.</i>	New York.
22	669	<i>var. fallax Hald.</i>	Massachusetts.
22	670	<i>parvus Hald.</i>	Massachusetts.
22	671	<i>antrosus Conrad.</i>	Alabama.
22	672	<i>lens Lea.</i>	Ohio.
22	673	<i>elevatus Adams.</i>	New York.
22	674	<i>hirsutus Gould.</i>	New Bedford.
22	675	<i>virens Adams.</i>	New Bedford.
22	676	Physa ancillaria Say.	New York.
22	677	<i>aurea Lea.</i>	Virginia.
22	678	<i>distorta Hald.</i>	Ohio.
22	679	<i>elongata Say.</i>	Western States.
22	680	<i>eliptica Lea.</i>	Ohio.
22	681	<i>gyrina Say.</i>	Georgia.
22	682	<i>heterostrophia Say.</i>	Maine to Missouri.
22	683	<i>Hildrethiana Lea.</i>	Illinois.
22	684	<i>inflata Lea.</i>	Virginia.
22	685	<i>microstoma Hald.</i>	Ohio.
22	686	<i>obesa Mighels.</i>	Maine.
22	687	<i>plicata De Kay.</i>	New York island.
22	688	<i>pomilia Conrad.</i>	Alabama.
22	689	<i>Sayli Tappan.</i>	Ohio.
22	690	<i>Troostiana Lea.</i>	Tennessee.
22	691	<i>fragilis Mighels.</i>	Maine.
23	692	Lymncea acuta Lea.	Philadelphia.
23	693	<i>apicina Lea.</i>	Oregon.
23	694	<i>appressa Say.</i>	Lake Champlain.
23	695	<i>bulimoides Lea.</i>	Oregon.
23	696	<i>catascopium Say.</i>	Middle States.
23	697	<i>caperata Say.</i>	Indiana.
23	698	<i>coctumella Say.</i>	Indiana.
23	699	<i>coarctata Lea.</i>	Newport, R. I.
23	700	<i>casta Lea.</i>	Ohio.
23	701	<i>chalybea Gould.</i>	New York.
23	702	<i>curta Lea.</i>	Ohio.
23	703	<i>deciduosa Say.</i>	New York to Ohio.
23	704	<i>decollata Mighels.</i>	Portland, Me.
23	705	<i>elodes Say.</i>	Western States.

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23	706	<i>Lymncea emarginata Say.</i>	Maine.
23	707	<i>exigua Lea.</i>	Tennessee.
23	708	<i>expansa Hald.</i>	Vermont.
23	709	<i>exilis Lea.</i>	Ohio.
23	710	<i>fusiformis Lea.</i>	Niagara.
23	711	<i>Griffithiana Lea.</i>	Lake Champlain.
23	712	<i>gracilis Jay.</i>	Lake Champlain.
23	713	<i>humilis Say.</i>	South Carolina.
23	714	<i>jugularis Say.</i>	Lake Champlain.
23	715	<i>Kirtlandianus Lea.</i>	Ohio.
23	716	<i>macrostoma Say.</i>	Western States.
23	717	<i>megasoma Say.</i>	Iowa & Vermont.
23	718	<i>modicella Say.</i>	Oswego.
23	719	<i>Nuttalliana Lea.</i>	Oregon.
23	720	<i>obrusa Say.</i>	Pennsylvania.
23	721	<i>pallida Adams.</i>	Vermont.
23	722	<i>parva Lea.</i>	Ohio.
23	723	<i>Philadelphica Lea.</i>	Schuylkill.
23	724	<i>platyostoma Hald.</i>	Vermont.
23	725	<i>planulata Lea.</i>	Virginia.
23	726	<i>plica Lea.</i>	Tennessee.
23	727	<i>reflexa Say.</i>	Ohio.
24	728	<i>rustica Lea.</i>	Ohio.
24	729	<i>strigosa Lea.</i>	Ohio.
24	730	<i>solida Lea.</i>	Oregon.
24	731	<i>umbrosa Say.</i>	Ohio.
24	732	<i>umbilicata Adams.</i>	New Bedford.
24	733	<i>pinguis Say.</i>	Schuylkill.
24	734	<i>Melania acuta Lea.</i>	Tennessee.
24	735	<i>alveare Conrad.</i>	Alabama.
24	736	<i>annulifera Conrad.</i>	Alabama.
24	737	<i>armigera Say.</i>	Kentucky.
24	738	<i>atilis Lea.</i>	Susquehanna.
24	739	<i>acuto-carinata Lea.</i>	Tennessee.
24	740	<i>bitenata Conrad.</i>	Alabama.
24	741	<i>blanda Lea.</i>	Tennessee.
24	742	<i>Babylonica Lea.</i>	Ohio.
24	743	<i>Boykineana Lea.</i>	Georgia.
24	744	<i>brevis Lea.</i>	Alabama.
24	745	<i>Buddii De Kay.</i>	Erie canal.
24	746	<i>canaliculata Say.</i>	Ohio.
24	747	<i>cancellata Say.</i>	Florida.
24	748	<i>carinata Rav.</i>	North Carolina.
24	749	<i>catenaria Say.</i>	South Carolina.
24	750	<i>calyginosa Lea.</i>	Tennessee.
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24	751	Melania catenoides <i>Lea.</i>	Georgia.
24	752	castanea <i>Lea.</i>	Tennessee.
24	753	circinata <i>Lea.</i>	Tennessee.
24	754	comma <i>Conrad.</i>	Alabama.
24	755	congesta <i>Conrad.</i>	Alabama.
24	756	carinifera <i>Lam.</i>	Cherokee country.
24	757	corrugata <i>Lea.</i>	Tennessee.
24	758	columella <i>Lea.</i>	Ohio.
24	759	conica <i>Say.</i>	Kentucky.
24	760	costulata <i>Lea.</i>	Tennessee.
24	761	concina <i>Lea.</i>	Tennessee.
24	762	crebricostata <i>Lea.</i>	Tennessee.
25	763	clavæformis <i>Lea.</i>	Tennessee.
25	764	curvata <i>Lea.</i>	Tennessee.
25	765	Cune yana <i>Lea.</i>	Kentucky.
25	766	cylindrica <i>Conrad.</i>	Alabama.
25	767	depygis <i>Say.</i>	Ohio.
25	768	decora <i>Lea.</i>	Kentucky.
25	769	Deshayesi ana <i>Lea.</i>	Tennessee.
25	770	Duttoniana <i>Lea.</i>	Tennessee.
25	771	dubisca <i>Lea.</i>	Tennessee.
25	772	ebenum <i>Lea.</i>	Tennessee.
25	773	Edgariana <i>Lea.</i>	Tennessee.
25	774	elongata <i>Lea.</i>	Tennessee.
25	775	elevata <i>Say.</i>	Ohio.
25	776	expansa <i>Lea.</i>	Alabama.
25	777	excurvata <i>Conrad.</i>	Tennessee.
25	778	exilis <i>Hald.</i>	Ohio.
25	779	florentina <i>Lea.</i>	Alabama.
25	780	Formanli <i>Lea.</i>	Alabama.
25	781	formosa <i>Conrad.</i>	Alabama.
25	782	fuscata <i>Desh.</i>	Virginia.
25	783	fuliginosa <i>Lea.</i>	Tennessee.
25	784	fusi formis <i>Lea.</i>	Tennessee.
25	785	glabra <i>Lea.</i>	Tennessee.
25	786	globula <i>Lea.</i>	Tennessee.
25	787	gracilis <i>Lea.</i>	Tennessee.
25	788	Haysiana <i>Lea.</i>	Tennessee.
25	789	Holstoniana <i>Lea.</i>	Tennessee.
25	790	Hildrethiana <i>Lea.</i>	Ohio.
25	791	Hydelli <i>Conrad.</i>	Alabama.
25	792	impressa <i>Lea.</i>	Alabama.
25	793	inflata <i>Lea.</i>	Virginia.
25	794	integra <i>Say.</i>	Ohio.
25	795	interrupta <i>Hald.</i>	Tennessee.

Page.	No.	Name.	Locality.
25	796	<i>Melania Jayana</i> Lea.	Tennessee.
25	797	<i>Kirtlandiana</i> Lea.	Ohio.
25	798	<i>laqueata</i> Say.	Cumberland river.
26	799	<i>Lecontiana</i> Lea.	Georgia.
26	800	<i>lima</i> Conrad.	Alabama.
26	801	<i>læta</i> Jay.	Alabama.
26	802	<i>lævigata</i> Lea.	Clairborne.
26	803	<i>melanoides</i> Conrad.	Alabama.
23	804	<i>monoxonalis</i> Lea.	Tennessee.
26	805	<i>multilineata</i> Say.	Ohio.
26	806	<i>multistriata</i> Lea.	Alabama.
26	807	<i>nasula</i> Conrad.	Alabama.
26	808	<i>nupera</i> Say.	Wabash.
26	809	<i>Nickliniana</i> Lea.	Virginia.
26	810	<i>Niagarensis</i> Lea.	Niagara.
26	811	<i>nitens</i> Lea.	Tennessee.
26	812	<i>nodulosa</i> Lea.	Tennessee.
26	813	<i>obovata</i> Say.	Ohio.
26	814	<i>obtusa</i> Lea.	Tennessee.
26	815	<i>Oconeensis</i> Lea.	Tennessee.
26	816	<i>occidentalis</i> Lea.	Cincinnati.
26	817	<i>olivula</i> Conrad.	Alabama.
26	818	<i>oliva</i> Lea.	Alabama.
26	819	<i>Ordiana</i> Lea.	Tennessee.
26	820	<i>ovelliana</i> Lea.	Alabama.
26	821	<i>ovalis</i> Lea.	Alabama.
26	822	<i>perfusca</i> Lea.	Tennessee.
26	823	<i>pilcifera</i> Lea.	Oregon.
26	824	<i>picta</i> Lea.	Tennessee.
26	825	<i>piluta</i> Lea.	Tennessee.
26	826	<i>Potosiensis</i> Lea.	Missouri.
26	827	<i>proxima</i> Say.	N. & S. Carolina.
26	828	<i>prasinata</i> Conrad.	Alabama.
26	829	<i>producta</i> Lea.	Tennessee.
26	830	<i>pyrinella</i> Conrad.	Alabama.
26	831	<i>regularis</i> Lea.	Tennessee.
26	832	<i>robusta</i> Lea.	Alabama.
26	833	<i>rufa</i> Lea.	Tennessee.
26	834	<i>salebrosa</i> Conrad.	Tennessee.
27	835	<i>Sayii</i> Ward.	Ohio.
27	836	<i>semicarinata</i> Say.	Ohio.
27	837	<i>simplex</i> Say.	Virginia.
27	838	<i>sordida</i> Lea.	Tennessee.
27	839	<i>strigosa</i> Lea.	Tennessee.
27	840	<i>stygia</i> Say.	Tennessee.

Page.	No.	Name.	Locality.
27	841	Melania striata <i>Lea.</i>	Tennessee.
27	842	<i>subularis</i> <i>Lea.</i>	Niagara Falls.
27	843	<i>subglobosa</i> <i>Say.</i>	Ohio.
27	844	<i>subsollida</i> <i>Lea.</i>	Tennessee.
27	845	<i>subcylindracea</i> <i>Lea.</i>	Tennessee.
27	846	<i>substriata</i> <i>Hald.</i>	Ohio.
27	847	<i>substricta</i> <i>Hald.</i>	Tennessee.
27	848	<i>suturalis</i> <i>Hald.</i>	Tennessee.
27	849	<i>sulcosa</i> <i>Lea.</i>	Tennessee.
27	850	<i>Taitiana</i> <i>Lea.</i>	Clairborne.
27	851	<i>teres</i> <i>Lea.</i>	Tennessee.
27	852	<i>terebralis</i> <i>Lea.</i>	Tennessee.
27	853	<i>tenebrosa</i> <i>Lea.</i>	Tennessee.
27	854	<i>torquata</i> <i>Lea.</i>	Tennessee.
27	855	<i>Troostiana</i> <i>Lea.</i>	Tennessee.
27	856	<i>trochiformis</i> <i>Conrad.</i>	Alabama.
27	857	<i>trilineata</i> <i>Say.</i>	Ohio.
27	858	<i>tuberculata</i> <i>Lea.</i>	Tennessee.
27	859	<i>turgida</i> <i>Lea.</i>	Tennessee.
27	860	<i>undulata</i> <i>Lea.</i>	Ohio.
27	861	<i>Vanuxemensis</i> <i>Lea.</i>	Alabama.
27	862	<i>varicosa</i> <i>Ward.</i>	Ohio.
27	863	<i>vestita</i> <i>Conrad.</i>	Alabama.
27	864	<i>venusta</i> <i>Say.</i>	Tennessee.
27	865	<i>Virginica</i> <i>Say.</i>	Middle States.
27	866	<i>virgata</i> <i>Lea.</i>	Cincinnati.
27	867	<i>viridis</i> <i>Lea.</i>	Cincinnati.
27	868	<i>Wardiana</i> <i>Lea.</i>	Virginia.
27	869	<i>Anculosa angulata</i> <i>Conrad.</i>	Alabama.
28	870	<i>bella</i> <i>Lea.</i>	Alabama.
28	871	<i>carinata</i> <i>Lea.</i>	Roanoke.
28	872	<i>costata</i> <i>Anthony.</i>	Virginia & Ohio.
28	873	<i>dentata</i> <i>Couth.</i>	Potomac.
28	874	<i>dissimilis</i> <i>Say.</i>	Ohio.
28	875	<i>Formanli</i> <i>Lea.</i>	Alabama.
28	876	<i>gibbosa</i> <i>Lea.</i>	Tennessee.
28	877	<i>Griffithiana</i> <i>Lea.</i>	Alabama.
28	878	<i>integra</i> <i>Say.</i>	Alabama.
28	879	<i>isogona</i> <i>Say.</i>	Ohio.
28	880	<i>Kirtlandiana</i> <i>Anthony.</i>	Virginia.
28	881	<i>monodontoides</i> <i>Conrad.</i>	Virginia.
28	882	<i>nigrescens</i> <i>Conrad.</i>	Maryland.
28	883	<i>obovata</i> <i>Lea.</i>	Alabama.
28	884	<i>picta</i> <i>Conrad.</i>	Alabama.
28	885	<i>plicata</i> <i>Conrad.</i>	Tennessee.

Page.	No.	Name.	Locality.
28	886	Anculosa prærosa Say.	Ohio & Tennessee.
28	887	pumilis Conrad.	Black Warrior.
28	888	planulata Lea.	Alabama.
28	889	rubiginosa Lea.	Alabama.
28	890	solida Lea.	Alabama.
28	891	subglobosa Say.	Tennessee.
28	892	tæniata Conrad.	Alabama.
28	893	turgida Hald.	Alabama.
28	894	tuberculata Lea.	Alabama.
28	895	Troostiana Lea.	Tennessee.
28	896	variabilis Lea.	Roanoke.
28	897	Lythasia genicula Lea.	Alabama.
28	898	Schizostoma incisæ Lea.	Alabama.
28	899	excisæ Lea.	Alabama.
28	900	? Lea (new).	Alabama.
28	901	? Lea (new).	Alabama.
28	902	Io fusiformis Say.	Holstein river, Va.
29	903	spinosa Lea.	Holstein river, Va.
29	904	tenebrosa Lea.	Tennessee.
29	905	Pirena scalariformis Say.	Fresh water lakes and Florida Keys.
29	906	Valvata arenifera.	Schuyllkill.
29	907	cinerea Say.	Western States.
29	908	buccata Lea.	Schuyllkill.
29	909	humeralis.	
29	910	pupoidea Gould.	Massachusetts.
29	911	tricarinata Say.	Mass. to Missouri.
29	912	unicarinata De Kay.	Erie canal.
29	913	Paludina angulata Lea.	Alabama.
29	914	bimontifera Lea.	Alabama.
29	915	Coosaensis Lea.	Coosa river, Ala.
29	916	canaliculata Gould.	Massachusetts.
29	917	cyclostomaformis Lea.	Alabama.
29	918	coarctata Lea.	Alabama.
29	919	decisa Say.	Ohio.
29	920	elongata Swains.	Florida.
29	921	Georgiana Lea.	Georgia.
29	922	grana Say.	Pennsylvania.
29	923	heterostropha Tappan.	Ohio.
29	924	hyalina Lea.	Ohio.
29	925	integra Say.	Ohio.
29	926	intertexta Say.	Louisiana.
29	927	incrassata Lea.	Alabama.
29	928	limosa Say.	Western States.
29	929	magnifica Lea.	Georgia.

Page.	No.	Name.	Locality.
29	930	<i>Paludina Nickliniana</i> Lea.	Hot Springs, Va.
29	931	<i>Nuttalliana</i> Lea.	Oregon.
29	932	<i>nuclea</i> Lea.	Oregon.
29	933	<i>obtusa</i> Lea.	Ohio.
29	934	<i>pallida</i> Lea.	Ohio.
29	935	<i>ponderosa</i> Say.	Ohio.
30	936	<i>regularis</i> Lea.	Ohio.
30	937	<i>subcarinata</i> Say.	Ohio.
30	938	<i>subglobosa</i> Say.	Iowa.
30	939	<i>subpurpurea</i> Say.	Illinois.
30	940	<i>transversa</i> Say.	Louisiana.
30	941	<i>Troostiana</i> Lea.	Tennessee.
30	942	<i>unicolor</i> Lam.	South Carolina.
30	943	<i>virens</i> Lea.	Oregon.
30	944	<i>vivipara</i> Lam.	Southern States.
30	945	<i>scalaris</i> Say.	Florida.
30	946	<i>Amnicola albilabris</i> Ward.	Ohio.
30	947	<i>Cincinnatiensis</i> Anthony.	Ohio.
30	948	<i>dentata</i> Say.	Florida.
30	949	<i>lapidaria</i> Say.	Ohio.
30	950	<i>ustrica</i> Say.	Ohio.
30	951	<i>orbiculata</i> Lea.	Ohio.
30	952	<i>porata</i> Say.	Ohio.
30	953	<i>parva</i> Lea.	Ohio.
30	954	<i>pallida</i> Lea.	Massachusetts.
30	955	<i>Sayana</i> Lea.	Ohio.
30	956	<i>gibbosa</i> Anthony.	Ohio.
30	957	<i>tenuipes</i> Hald.	Georgia.
30	958	<i>Ampularia rugosa</i> Lam.	Mississippi.
30	959	<i>depressa</i> Say.	Florida.
30	960	<i>rotundata</i> Say.	Florida.
30	961	<i>Hopetonensis</i> Lea.	Hopeton, Ga.
30	962	<i>Neritina reclinata</i> Say.	Florida.
30	963	<i>Natica alba</i> Say.	Florida.
31	964	<i>canaliculata</i> Gould.	Massachusetts.
31	965	<i>canrena</i> Lam.	Southern coast.
31	966	<i>clausa</i> Brod.	Massachusetts bay.
31	967	<i>duplicata</i> Say.	New York.
31	968	<i>heros</i> Say.	New York.
31	969	<i>immaculata</i> Totten.	Maine to New York.
31	970	<i>flava</i> Gould.	Massachusetts bay.
31	971	<i>lunata</i> Say.	Southern coast.
31	972	<i>pusilla</i> Say.	Southern coast.
31	973	<i>triseriata</i> Say.	Atlantic coast.
31	974	<i>Sigaretus haliotoideus</i> Lam.	Massachusetts bay.

Page.	No.	Name.	Locality.
31	975	<i>Sigaretus maculatus Say.</i>	Southern coast.
31	976	<i>perspectivus Say.</i>	New Jersey.
31	977	<i>Velutina lævigata Brown.</i>	Cape Ann.
31	978	<i>ovata Brown.</i>	Cape Ann.
31	979	<i>zonata Gould.</i>	Massachusetts bay.
31	980	<i>Odostomia exigua Couth.</i>	Boston bay
31	981	<i>convoluta Gould.</i>	Massachusetts bay.
31	982	<i>fusca Adams.</i>	Eastern States.
31	983	<i>producta Adams.</i>	Eastern States.
31	984	<i>seminuda Adams.</i>	Eastern States.
31	985	<i>trifida Totten.</i>	Rhode Island.
31	986	<i>Tornatella punctostriata Ad.</i>	New York bay.
31	987	<i>Vermetus lumbricalis Linn.</i>	Newport R. I.
31	988	<i>Janthina communis Lam.</i>	Nantucket.
31	989	<i>fragilis Brug.</i>	New Bedford.
31	990	<i>Scalaria clathrus Say.</i>	Southern coast.
31	991	<i>Groenlandica.</i>	Massachusetts bay.
31	992	<i>Humphreysii Kiener.</i>	Atlantic coast.
32	993	<i>lineata Say.</i>	Atlantic coast.
32	994	<i>multistriata Say.</i>	Southern coast.
32	995	<i>Novangliæ Couth.</i>	Massachusetts bay.
32	996	<i>Delphinula laxa Say.</i>	South Carolina.
32	997	<i>Skenea serpuloides Adams.</i>	Boston bay.
32	998	<i>Trochus occidentalis Mighels.</i>	Maine.
32	999	<i>Turbo canaliculata Say.</i>	Southern States.
32	1000	<i>Margarita arctica Leach.</i>	Massachusetts bay.
32	1001	<i>argentata Gould.</i>	Cohasset, Mass.
32	1002	<i>acuminata Sowerby.</i>	Maine.
32	1003	<i>cinerea Couth.</i>	Massachusetts bay.
32	1004	<i>obscura Couth.</i>	Nahant.
32	1005	<i>varicosa Mighels.</i>	Maine.
32	1006	<i>undulata Sowerby.</i>	Phillips' beach.
32	1007	<i>Littorina rudis Donv.</i>	Atlantic coast.
32	1008	<i>tenebrosa Mont.</i>	Massachusetts bay.
32	1009	<i>palliatæ Say.</i>	Atlantic coast.
32	1010	<i>Lacuna fusca Adams.</i>	Massachusetts bay.
32	1011	<i>neritoidea Gould.</i>	Chelsea beach.
32	1012	<i>vineta Mont.</i>	Massachusetts bay.
32	1013	<i>Cingula minuta Totten.</i>	Atlantic coast.
32	1014	<i>aculeus Gould</i>	Massachusetts bay.
32	1015	<i>semicostata Mont.</i>	Maine.
32	1016	<i>arenaria Mont.</i>	Maine.
32	1017	<i>latior Mighels.</i>	Maine.
32	1018	<i>Pyramis striatula Couth.</i>	Cape Ann.
32	1019	<i>fusca Adams.</i>	New Bedford.

Page.	No.	Name.	Locality.
33	1020	<i>Turritella alternata Say.</i>	Atlantic coast.
33	1021	<i>bisuturalis Say.</i>	Massachusetts bay.
33	1022	<i>concava Say.</i>	South Carolina.
33	1023	<i>costulata Mighels.</i>	Maine.
33	1024	<i>erosa Couth.</i>	Massachusetts bay.
33	1025	<i>equalis Say.</i>	South Carolina.
33	1026	<i>impressa Say.</i>	Maryland.
33	1027	<i>interrupta Totten.</i>	Rhode Island.
33	1028	<i>reticulata Mighels.</i>	Maine.
33	1029	<i>Cerithium ferrugineum Say.</i>	Florida.
33	1030	<i>Greenii Adams.</i>	Dartmouth harbor.
33	1031	<i>Emersonii Adams.</i>	New Bedford.
33	1032	<i>nigroclinctum Adams.</i>	New Bedford.
33	1033	<i>terebrale Adams.</i>	New Bedford.
33	1034	<i>muscarium Say.</i>	Florida.
33	1035	<i>septemistriatum Say.</i>	Florida.
33	1036	<i>Sayii Menke.</i>	New Bedford.
33	1037	?	New York bay.
33	1038	<i>Pleurotoma bicarinata Couth.</i>	Massachusetts bay.
33	1039	<i>decussata Couth.</i>	Massachusetts bay.
33	1040	<i>plicata Adams.</i>	Massachusetts bay.
33	1041	<i>violacea Mighels.</i>	Maine.
33	1042	<i>Cancellaria Couthouyi Jay.</i>	Massachusetts bay.
33	1043	<i>Fasciolaria ligata Mighels.</i>	Maine.
33	1044	<i>Fusus Bamffius Fleming.</i>	Massachusetts bay.
33	1045	<i>cinereus Say.</i>	Atlantic coast.
33	1046	<i>cancellatus Mighels.</i>	Maine.
33	1047	<i>decemcostatus Say.</i>	Massachusetts bay.
33	1048	<i>bicolor Say.</i>	Florida.
33	1049	<i>harpularius Couth.</i>	Massachusetts bay.
33	1050	<i>Islandicus Martini.</i>	Massachusetts bay.
34	1051	<i>muricatus Brown.</i>	Massachusetts bay.
34	1052	<i>rufus Gould.</i>	Massachusetts bay.
34	1053	<i>turricula Brown.</i>	Cape Ann.
34	1054	<i>tornatus Gould.</i>	Massachusetts bay.
34	1055	<i>scalariformis Gould.</i>	Massachusetts bay.
34	1056	<i>pygmæus Gould.</i>	Massachusetts bay.
34	1057	<i>ventricosus Gray.</i>	Massachusetts bay.
34	1058	<i>Pyrula canaliculata Lam.</i>	New York.
34	1059	<i>carica Lam.</i>	New York.
34	1060	<i>perversa Say.</i>	Florida.
34	1061	<i>papyratia Say.</i>	Georgia.
34	1062	<i>spirata Say.</i>	Southern States.
34	1063	<i>Stillmanii De Kay.</i>	New York.
34	1064	<i>Ranella candata Say.</i>	New York bay.

Page.	No.	Name.	Locality.
34	1065	<i>Rostellaria occidentalis</i> Beck.	Stomach of fish.
34	1066	<i>Trichotropis borealis</i> Sowerby.	Massachusetts bay.
34	1067	<i>Strombus gigas</i> Linn.	Mobile bay.
34	1068	<i>pyrolatus</i> Lam.	Mobile bay.
34	1069	<i>pugilis</i> Linn.	Florida.
34	1070	<i>Purpura lapillus</i> Lam.	Massachusetts bay.
34	1071	var. <i>imbricata</i> Lam.	Massachusetts bay.
34	1072	var. <i>bizonalis</i> Lam.	Massachusetts bay.
34	1073	<i>Dolium perdix</i> Lam.	Southern coast.
34	1074	<i>olearium</i> Lam.	Southern coast.
34	1075	<i>Cassis flammea</i> Kiener.	North Carolina.
34	1076	<i>saburon</i> Brug.	North Carolina.
34	1077	<i>Buccinum acutum</i> Say.	St. Simon's island.
35	1078	<i>album</i> Say.	Florida.
35	1079	<i>Donovanii</i> Gray.	Maine.
35	1080	<i>ciliatum</i> Gould.	Massachusetts bay.
35	1081	<i>ornatum</i> Say.	Florida.
35	1082	<i>obsoletum</i> Say.	Atlantic coast.
35	1083	<i>rosaceum</i> Gould.	Massachusetts bay.
35	1084	<i>lunatum</i> Say.	Southern States.
35	1085	<i>trivittatum</i> Say.	New York.
35	1086	<i>undatum</i> Linn.	Massachusetts bay.
35	1087	<i>unicinctum</i> Say.	South Carolina.
35	1088	<i>Wheatleyi</i> De Kay.	New York bay.
35	1089	<i>vibex</i> Say.	Massachusetts bay.
35	1090	<i>Terebra Petitti</i> Kiener.	Georgia.
35	1091	<i>Columbella avara</i> Say.	Mass. to Georgia.
35	1092	<i>mercatoria</i> Say.	Florida.
35	1093	<i>Marginella carnea</i> Storer.	Florida.
35	1094	<i>flavida</i> Redfield.	Florida.
35	1095	<i>Oliva conoidalis</i> Lam.	Florida keys.
35	1096	<i>erythostoma</i> Lam.	Florida keys.
35	1097	<i>Sayana</i> Lam.	Florida keys.
35	1098	<i>litterata</i> Say.	Florida keys.
35	1099	<i>textilina</i> Lam.	Florida keys.
35	1100	<i>oryza</i> Lam.	Florida keys.
35	1101	<i>mutica</i> Say.	Southern States.
35	1102	<i>zonalis</i> .	Southern States.
35	1103	<i>Conus leucostricus</i> Gmelin.	Florida keys.
35	1104	<i>mamillaris</i> Green.	Florida keys.
35	1105	<i>Pealeii</i> Green.	Florida keys.
35	1106	<i>mus</i> Brug.	Florida keys.
35	1107	<i>verrucosus</i> Lam.	Florida keys.
35	1108	<i>Spirula Peronii</i> Lam.	Nantucket.

Gould.—Expedition Shells described for the work of the United States Exploring Expedition, commanded by Charles Wilkes, U. S. N.: by AUG. A. GOULD, M. D. Boston, 1846. (Vide Proceedings of the Boston Soc. Nat. Hist., vol. ii.)

(Under this title, Dr. GOULD distributed extras of his papers in Boston Society's Proceedings.)

Redfield.—Description of some New Species of Shells: by JOHN H. REDFIELD. (Annals of N. Y. Lyc. Nat. Hist., vol. iv, No. 5, p. 163. 1846.)

Page.	Plate.	Fig.	Name.	Locality.
165	xi	2	<i>Triton Oregonense</i> Redfield.	Straits of San Juan de Fuca, Oregon.

Gibbes.—Molluscous Animals of South Carolina: by Prof. LEWIS R. GIBBES. (From Appendix to the Geology of South Carolina, 1848. No descriptions are given.)

Page.		Page.	
xix	<i>Octopus granulatus</i> Lam.	xix	<i>Pupa ovata</i> Say.
xix	<i>Loligo brevipenna</i> Les.	xix	<i>pentodon</i> Say.
xix	<i>Spirula Peronii</i> Lam.	xix	<i>Bulimus decollatus</i> L.
xix	<i>Tebennophorus Carolinensis</i> Bosc.	xix	——— ?
xix	<i>Limax flavus</i> Linn.	xix	<i>Glandina truncata</i> Gmel.
xix	<i>Helix albolabris</i> Say.	xix	<i>Succinea campestris</i> Say.
xix	<i>major</i> Binn.	xix	<i>ovalis</i> Say.
xix	<i>aspera</i> Müll.	xix	<i>Auricula bidentata</i> Say.
xix	<i>thyroidus</i> Say.	xix	<i>obliquus</i> Say.
xix	<i>tridentata</i> Say.	xix	<i>Planorbis lentus</i> Say.
xix	<i>fallax</i> Say.	xix	<i>parvus</i> Say.
xix	<i>appressa</i> Say.	xix	<i>glabratus</i> Say.
xix	<i>auriculata</i> Say.	xix	<i>Physa gyrina</i> Say.
xix	<i>Carolinensis</i> Lea.	xx	<i>Limnæus columella</i> Say.
xix	<i>inornata</i> Say.	xx	<i>macrostoma</i> Say.
xix	<i>concava</i> Say.	xx	<i>humilis</i> Say.
xix	<i>alternata</i> Say.	xx	<i>Paludina decisa</i> .
xix	<i>perspectiva</i> Say.	xx	<i>integra</i> Say.
xix	<i>gularis</i> Say.	xx	<i>intertexta</i> Say.
xix	<i>pulchella</i> Müll.	xx	<i>Melania proxima</i> Say.
xix	<i>Pupa rupicola</i> .	xx	<i>catenaria</i> Say.
xix	<i>fallax</i> Say.	xx	<i>altilis</i> Lea.
		xx	<i>Ancylus</i> —— ?

Page.

- xx *Fissurella alternata* Say.
 xx *Crepidula fornicata* Linn.
 xx *plana* Say.
 xx *aculeata* Gmel.
 xx *Chiton apiculatus* Say.
 xx *Bulla solitaria* Say.
 xx *canaliculata* Say.
 xx *Aplysia* ———
 xx *Sigaretus perspectivus* S.
 xx *Natica pusilla* Say.
 xx *duplicata* Say.
 xx *Scalaria clathrus* L.
 xx *multistriata* Say.
 xx *lineata* Say.
 xx *Littorina irrorata* Say.
 xx *Turritella* ——— ?
 xx *Cancellaria reticulata* L.
 xx *Pleurotoma pusilla* Rav.
 xx *Fusus cinereus* Say.
 xx *Fasciolaria tulipa* L.
 xx *distans* Lam.
 xx *gigantea* Kiener.
 xx *Pyrula canaliculata* Linn.
 xx *carica* Lam.
 xx *perversa* Linn.
 xx *pyrum* Dillw.
 xx *Ranella caudata* Say.
 xx *Murex* ———
 xx *Strombus alatus* Gmel.
 xx *Cassis sulcosa* Lam. ?
 xx *Purpura cataracta* Chemn.
 xx *Dolium galea* L.
 xx *Nassa uncinata* Say.
 xx *obsoleta* Say.
 xx *vibex* Say.
 xx *trivittata* Say.
 xx *Terebra clavata* Rav.
 xx *dislocata* Say.
 xx *concava* Say.
 xx *Columbella avara* Say.
 xx *lunata* Say.
 xx *Voluta junonia* Chemn.
 xx *Marginella spiliota* Rav.
 xx *guttata* ? Dillw.
 xxi *Ovula acicularis* Lam.

Page.

- xxi *Oliva literata* Lam.
 xxi *mutica* Say.
 xxi *Unio complanatus* Sol.
 xxi *confertus* Lea.
 xxi *congaræus* Lea.
 xxi *fulvus* Lea.
 xxi *Geddingsianus* Lea.
 xxi *Griffithianus* Lea.
 xxi *jejunus* Rav.
 xxi *pallidus* Lea.
 xxi *Watereensis* Lea.
 xxi *angustatus* Lea.
 xxi *foliatus* Lea.
 xxi *Vaughanlanus* Lea.
 xxi *modioliformis* Lea.
 xxi *tenerus* Rav.
 xxi *crocatus* Lea.
 xxi *tæniatus* Conr.
 xxi *Margaritana marginata* Say.
 xxi *Anodon fluviatilis* Sol.
 xxi *A. cataracta* Say.
 xxi *Dunlapiana* Lea.
 xxi *incerta* Lea.
 xxi *Cyclas partumeia* Say.
 xxi *Cyrena Carolinensis* Bosc.
 xxi *Venus mercenaria* L.
 xxi *notata* Say.
 xxi *paphia* L.
 xxi *elevata* Say.
 xxi *Artemis concentrica* Born.
 xxi *Astarte lunulata* Conr.
 xxi *Lucina tigrina* L.
 xxi *divaricata* L.
 xxi *edentula* L.
 xxi *Cardita tridentata* Say.
 xxi *Cardium isocardia* L.
 xxi *muricatum* L.
 xxi *marmoreum* Lam.
 xxi *ventricosum* Brug.
 xxi *Arca incongrua* Say.
 xxi *pexata* Say.
 xxi *ponderosa* Say.
 xxi *transversa* Say.
 xxi *Nucula approxima* Say.
 xxi *acuta* Conr.

Page.		Page.	
xxi	<i>Sanguinolaria fusca</i> Say.	xxii	<i>Solen viridis</i> Say.
xxi	<i>lusoria</i> Say.	xxii	<i>Solecurtus caribæus</i> Lam.
xxi	<i>Psammobia Cayennensis</i> Lam.	xxii	<i>fragilis</i> Pult.
xxi	<i>Tellina maculosa</i> Lam.	xxii	<i>Pholas costata</i> Linn.
xxi	<i>alternata</i> Say.	xxii	<i>oblongata</i> Say.
xxi	<i>polita</i> Say.	xxii	<i>truncata</i> Say.
xxi	<i>iris</i> Say.	xxii	<i>semicostata</i> Lea.
xxi	<i>tenera</i> Say.	xxii	<i>ovneiformis</i> Say.
xxi	<i>flexuosa</i> Say.	xxii	<i>Teredo palmulatus</i> ?
xxi	<i>brevifrons</i> Say.	xxii	<i>Chama arcinella</i> Linn.
xxi	<i>Donax variabilis</i> Say.	xxii	<i>Mytilus tulipa</i> Lam.
xxii	<i>Saxicava distorta</i> Say.	xxii	<i>plicatula</i> Lam.
xxii	<i>Petricola pholadiformis</i> Lam.	xxii	<i>cubitus</i> Say.
xxii	<i>dactylus</i> Sowb.	xxii	<i>domingensis</i> Lam.
xxii	<i>Lutraria canaliculata</i> Say.	xxii	<i>lateralis</i> Say.
xxii	<i>lineata</i> Say.	xxii	<i>castanea</i> Say.
xxii	<i>Maetra similis</i> Say.	xxii	<i>lithophaga</i> Linn.
xxii	<i>lateralis</i> Say.	xxii	<i>oandigera</i> Lam.
xxii	<i>oblongata</i> Say.	xxii	<i>attenuata</i> Desh.
xxii	<i>tellinoides</i> Conr.	xxii	<i>leucopheatus</i> Conr.
xxii	<i>Amphidesma orbiculata</i> S.	xxii	<i>Pinna muricata</i> Linn.
xxii	<i>equalis</i> Say.	xxii	<i>seminuda</i> Lam.
xxii	<i>lepidula</i> Say.	xxii	<i>Avicula Atlantica</i> Lam.
xxii	<i>punctata</i> Say.	xxii	<i>Pecten dislocatus</i> Say.
xxii	<i>Mya arenaria</i> L.	xxii	<i>Plicatula cristata</i> Lam.
xxii	<i>Corbula contracta</i> Say.	xxii	<i>Anomia ephippium</i> Linn.
xxii	<i>Solen ensis</i> L.	xxii	<i>Ostrea Virginiana</i> List.
		xxii	<i>fundata</i> Say.
		xxii	<i>equestris</i> Say.

Western Academy.—Catalogue of the Unios, Alasmodontas, and Anodontas of the Ohio River and its Northern Tributaries, adopted by the Western Acad. of Natural Sciences of Cincinnati, January, 1849.

Page.		Page.	
3	<i>Unio abruptus</i> Say.	3	<i>Unio catillus</i> Conr.
	<i>U. orbiculatus</i> Hild.		<i>U. coccineus</i> ? Hald.
3	<i>Æsopus</i> Green.		<i>Gouldianus</i> Ward
3	<i>alatus</i> Say.		(white nacre).
	<i>U. megaptera</i> Raf.	3	<i>oleatricosus</i> Say.
3	<i>anodontoides</i> Lea.		<i>U. varicosus</i> Lea.
	<i>U. teres</i> ? Raf.		

Page.		Page.	
5	Unio circulus Lea. <i>U. lens</i> Lea. <i>subrotunda?</i> Raf.	9	Unio lævissimus Lea. <i>Symph. lævissima</i> Lea.
5	olavus Lam. <i>U. scalenia</i> Raf. <i>patulus</i> Lea.	9	lapillus Say. <i>U. fabalis</i> Lea.
5	compressus Lea. <i>Symph. compressa</i> Lea.	9	monodontus Say. <i>U. soleniformis</i> Lea.
5	Cooperianus Lea.	11	multiradiatus Lea. <i>U. fasciola?</i> Raf.
5	cornutus Barnes.	11	nodosus Barnes. <i>U. metanевра?</i> Raf.
5	crassus Say. <i>U. ellipsaria</i> Raf. <i>ellipticus</i> Barnes. <i>carinatus</i> Barnes. <i>ligamentina</i> Lam.	11	nodulatus Raf. <i>U. pustulatus</i> Lea.
5	cylindricus Say. <i>U. naviformis</i> Lam. <i>solenoides</i> Raf.	11	ovatus Say.
7	cuneatus Barnes. <i>U. nigra</i> Raf.	11	parvus Barnes.
7	dehiscens Say. <i>U. oriens</i> Lea.	11	perplexus Lea. <i>U. gibbosa?</i> Raf.
7	donaciformis Lea. <i>U. zig-zag</i> Lea.	11	personatus Say (female). <i>U. capillaris</i> Lea (fem.) <i>pileus</i> Lea (male).
7	ebenus Lea.	11	phaseolus Hildr. <i>U. planulatus</i> Lea. <i>camelus</i> Lea.
7	elegans Lea.	13	planus Barnes. <i>U. leptodon</i> Raf. <i>velum</i> Say (female). <i>Anod. purpurascens</i> Swain.
7	ellipsis Lea.		<i>U. tenuissimus</i> Lea.
7	flavus Raf. <i>U. rubiginosus</i> Lea. <i>trigonus?</i> Lea.	13	plicatus Say. <i>U. costata</i> Raf. <i>rariPLICATA</i> Lam. <i>undulatus</i> Desh.
7	flexuosus Raf. (male). <i>U. foliatus</i> Hild. (female).	13	politus Say. <i>U. subrotundus</i> Lea.
7	fragosus Conr.	13	pustulosus Lea. <i>U. verrucosus albus</i> Hild.
9	gibbosus Barnes. <i>U. nasutus</i> Lam. <i>dilatata</i> Raf. <i>arctior</i> Lea (white nacre).	13	Rangianus Lea.
9	glans Lea.	13	rectus Lam. <i>U. prælongus</i> Barnes. <i>latissima</i> Raf.
9	gracilis Barnes. <i>Symph. gracilis</i> Lea.	13	retusus Lam. <i>U. torsa</i> Raf.
9	iris Lea. <i>U. subrostratus?</i> Say.	15	rugosus Barnes. <i>U. quadrula?</i> Raf. <i>lachrymosus</i> Lea. <i>asperrimus</i> Lea.
9	irroratus Lea. <i>U. stegaria?</i> Raf.		

Page.		Page.	
15	Unio Sayi Ward.	17	Unio verrucosus Barnes.
15	securis Lea.		<i>U. tuberculata</i> Raf.
	<i>U. depressa</i> ? Raf.		<i>graniferus</i> Lea.
15	siliquoides Barnes.	17	Alasmodonta ambigua Say.
	<i>U. inflatus</i> Barnes (fem.)		<i>Unio Hildrethianus</i> Lea.
15	sulcatus Lea (male).	17	calceola Lea.
	<i>U. ridibundus</i> Say (fem.)		<i>A. deltoidea</i> ? Lea.
15	triangularis Barnes.		<i>Unio calceola</i> Lea.
	<i>U. cuneatus</i> Swains.	19	confragosa Say.
	<i>formosus</i> Lea (male).	19	complanata Barnes.
	<i>triqueter</i> ? Raf.	19	rugosa Barnes.
15	tuberculatus Barnes.		<i>A. costata</i> Raf.
	<i>U. tuberculosus</i> Val.	19	truncata Say.
	<i>verrucosa</i> Raf.	19	Anodonta areolata Swains.
17	undatus Barnes.		<i>Alas. edentula</i> Say.
	<i>U. caridiacea</i> Say.	19	Ferussaciana Lea.
	<i>mytiloides</i> Raf.	19	imbecillis Say.
	<i>obliqua</i> Lam.		<i>A. incerta</i> Lea.
	<i>pyramidatus</i> Lea.	19	pavonia Lea.
17	undulatus Barnes.		<i>A. Wardiana</i> Lea.
	<i>U. heros</i> Say.	19	plana Lea.
	<i>multiplicatus</i> Lea.		<i>A. decora</i> Lea (young).
17	ventricosus Barnes.		<i>grandis</i> ? Say.
	<i>U. cardium</i> ? Raf.		<i>gigantea</i> Lea.
	<i>occidens</i> Lea (female).		
	<i>subovatus</i> Lea (male).		

Gould.—Catalogue of Shells with descriptions of New Species:
by Dr. A. A. GOULD. (From Agassiz's Lake Superior, Boston,
1850.)

[Localities are given, and descriptions of those specified as new.—
W. G. B.]

Page.		Page.	
243	Helix albolabris Say.	243	Helix electrina Gould.
243	tridentata Say.	243	chersina Say.
243	thyroidus Say.	243	Vitrina limpida Gould (n. s.)
243	alternata Say.		<i>V. pellucida</i> Say.
243	palliata Say.	243	Succinea ovalis Gould.
243	monodon Rack.	243	obliqua Say.
243	perspectiva Say.	243	avara Say.
243	striatella Anthony.	243	Physa heterostropha Say.
243	conca Say.	244	vinosa Gould (n. sp., pl.
243	arborea Say.		vii, fig. 10, 11).

Page.		Page.	
244	<i>Physa ancillaria</i> Say.	245	<i>Amnicola grana</i> Say.
244	<i>Limnea jugularis</i> Say.	245	<i>Paludina ponderosa</i> Say.
244	<i>caperata</i> Say.	245	<i>Melania livescens</i> Menke.
244	<i>humilis</i> Say.		<i>M. Niagarensis</i> Lea.
244	<i>catascopium</i> S. (notes).	245	<i>subulata</i> .
244	<i>desidiosa</i> Say.	245	<i>Cyclas similis</i> Say.
244	<i>lanceata</i> Gould (n. sp.,	245	<i>partumeia</i> Say?
	pl. vii, fig. 8, 9).	245	<i>Placidium dubium</i> S. (notes).
245	<i>Planorbis bicarinatus</i> Say.	245	<i>Unio radiatus</i> Gmel.
245	<i>parvus</i> Say.	245	<i>Anodonta Pepiniana</i> Lea.
245	<i>Valvata tricarinata</i> Say.		

Agassiz.—On the Embryology of *Ascidia* and the Characteristics of New Species from the Shores of Massachusetts: by Prof. LOUIS AGASSIZ. (Proc. American Assoc. for Advancement of Science, vol. ii, p. 157, 1850.)

Page.		Page.	
159	<i>Ascidia amphora</i> Ag.	159	<i>Ascidia hirsuta</i> Ag.
159	<i>psammophora</i> Ag.	159	<i>rugosa</i> Ag.
159	<i>ocellata</i> Ag.	159	<i>Boltenia microcosmus</i> Ag.
159	<i>carnea</i> Ag.		

Newberry.—Geographical Distribution of certain Species of Fluviatile and Terrestrial Shells: by J. S. NEWBERRY, M. D. (Proc. American Assoc. for Advancement of Science, vol. v, p. 105, 1851.)

Page.	Name.	Locality.
105	<i>Limnea gracilis</i> .	Congress Lake, Ohio.
105	<i>jugularis</i> .	Congress Lake, Ohio.
105	<i>Melania gracilis</i> .	Congress Lake, Ohio.
105	<i>Ancylus fuscus</i> .	Congress Lake, Ohio.
105	<i>Helix diodonta</i> .	Congress Lake, Ohio.
105	<i>multilineata</i> .	Congress Lake, Ohio.

Hartman.—A Classified Catalogue, with Synonyms, of the Terrestrial and Fluvial Testaceous Mollusks of Chester Co., Pa.: by WM. D. HARTMAN, M. D., one of the Curators of the Chester County Cabinet of Natural Sciences. [No date; no descriptions.]

Unio complanatus Solander.

Mya complanata Solander.

Margarita complanata Lea.

U. purpureus Say.

heterodon Lea.

Alasmodon arcuata Barnes.

Alasmodonta arcuata Barnes.

marginata Say.

Monodonta marginata Say.

Margaritana marginata Lea.

edentula Say.

Anodonta undulata Say.

areolata? Swainson.

rugosa Swainson.

Wardiana Lea.

Pavonia Lea.

Buchanensis Lea.

Anodon grandis Say (female?).

A. plana Lea (male?).

gigantea Lea.

decora Lea (young).

fluviatilis Dillwyn.

Mytilus fluviatilis Dillwyn.

Anodonta cataracta Say.

Cyclas similis Say.

partumela Say.

securis Prime.

Pisidium dubium Say.

Cyclas dubia Say.

abditum Hald.

variabile Prime.

compressum Prime.

Melania Virginica Say.

M. multilineata (var.?) Say.

Amnicola decisa Hald.

granum Say.

Paludina grana Say.

Paludina decisa Say.

subcarinata Say.

Valvata sincera Say.

Ancylus rivularis Say.

Limnea columella Say.

L. macrostomus Say.

chalybea Gould.

acuminata Adams.

desidiosa Say.

Limneus desidiosus Say.

Limnea obrussa Say.

acuta Lea.

Philadelphica Lea.

humilis Say.

L. modicellus Say.

parva Lea.

caperata Say.

L. umbilicata Adams.

fragilis Linn.

Helix fragilis Linn.

L. elodes Say.

catascopium Say.

L. pinguis Say.

decollata (var.) Mighels.

Physa heterostropha Say.

Lymnea heterostropha Say.

P. aurea Lea.

gyrina Say.

P. elliptica Lea.

ancillaria Say.

P. Sayi Tappan.

Planorbis campanulatus Say.

bicarinatus Say.

Helix angulatus Rackett.

Heliosoma bicarinata Swains.

trivolvus Say.

P. fullax (var.) Say.

regularis Lea.

armigerus Say.

concavus Anthony.

Vertigo Gouldii Binney.

Pupa Gouldii Binney.

Vertigo ovata Say.	<i>H. scabra</i> Lam.
<i>Pupa modesta</i> Say.	<i>radiata</i> Gmelin.
Pupa contracta Say.	Helix concava Say.
<i>armifera</i> Say.	<i>H. planorboides</i> Ferussac.
<i>fallax</i> Say.	<i>cellaria</i> Müller.
<i>Cyclostoma marginata</i> Say.	<i>H. glaphyra</i> Say (naturalized).
<i>P. placida</i> Say.	<i>suppressa</i> Say.
<i>albilabris</i> Ward.	<i>indentata</i> Say.
Bulimus lubricus Brug.	<i>electrina</i> Gould.
Helix albolabris Say.	<i>arborea</i> Say.
<i>thyroidus</i> Say.	<i>chersina</i> Say.
<i>tridentata</i> Say.	<i>lineata</i> Say.
<i>H. fallax</i> (var. ?) Say.	Succinea obliqua Say.
<i>hirsuta</i> Say.	<i>S. ovalis</i> Say.
<i>pulchella</i> Müller.	<i>campestris</i> Gould.
<i>H. minuta</i> Say.	<i>avara</i> Say.
<i>paludosa</i> Montagu.	<i>S. vermeta</i> ? Say, Adams.
<i>labyrinthica</i> Say.	Limax agrestis Müller.
<i>alternata</i> Say.	<i>L. tunicata</i> Gould.

Stimpson.—Shells of New England; a revision of the Synonymy of the Testaceous Mollusks of New England, with Notes on their Structure and their Geographical and Bathymetrical Distribution, with figures of new species: by WILLIAM STIMPSON. Boston, 1851.

ACEPHALA.

BRACHIOPODA.

Terebratulidæ.

Page.		Page.	
7	Terebratula septentrionalis	7	Hypothyris psittacea King.
	Couth.		<i>Terebratula psittacea</i>
	<i>T. caput-serpentis</i> Gould.		Lam.

LAMELLIBRANCHIATA.

Anomiadæ.

7	Anomia ephippium Linn.	var. <i>squamula</i> .
	var. <i>aculeata</i> .	var. <i>electrica</i> .

Ostreadæ.

8	Ostrea borealis Lam.
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Pectenidæ.

Page.		Page.	
8	Pecten Magellanicus Lam.	8	Pecten irradians Lam.
8	Islandicus Müller.		<i>P. concentricus</i> Say.
		8	fuscus Linsley.

Arcadæ.

8	Arca transversa Say.	8	Arca pexata Say.
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Nuculidæ.

8	Nucula proxima Say.	10	Leda Cascoensis St.
8	tenuis Turton.		<i>Nucula Cascoensis</i> Migh.
	<i>Arca tenuis</i> Mont.		et Adams.
9	delphinodonta Mighels et Adams.	10	myalis St.
			<i>Nucula myalis</i> Couth.
9	Leda thracisæformis Stimp.		<i>Yoldia angularis</i> Möll.
	<i>Nucula thracisæformis</i> Stor.	10	limatula St.
	<i>navicularis</i> Couth.		<i>Nucula limatula</i> Say.
10	obesa St. (pl. ii, fig. 1).	10	tenuisulcata St.
10	sapotilla St.		<i>Nucula tenuisulcata</i> Cont.
	<i>Nucula sapotilla</i> Gould.		<i>minuta</i> Gould.

Mytilidæ.

11	Mytilus decussatus Mont.	12	Mytilus levigatus St.
	<i>Modiola glandula</i> Totten.		<i>M. discors</i> O. Fabr.
	<i>Crenella decussata</i> DeKay.		<i>Modiola levigata</i> Gray.
11	pectinulus St.		<i>discrepans</i> Gld.
	<i>Modiola pectinula</i> Gould.	12	discrepans Montagu.
	<i>Mytilus faba</i> O. Fabr.?		<i>Modiola nigra</i> Gray.
12	corrugatus St.		<i>neza</i> Gld. (y'ng.)
	<i>Modiola discors</i> Gould.		<i>Crenella nigra</i> F. et H.
12	discors Linn.	12	plicatulus Desh.
	<i>Modiola discrepans</i> Lam.		<i>Modiola plicatula</i> Lam.
	<i>Crenella discors</i> F. et H.	12	modiolus L.
		12	edulis L.

Unionidæ.

13	Unio complanatus Lea.	13	Lamprellis radiata Ag. MS.
	<i>Mya complanata</i> Soland.		<i>Mya radiata</i> Gmel.
13	Eurynea prælonga Ag. MS.		<i>Unio radiata</i> Lam.
	<i>Unio prælongus</i> Barnes.	14	carlosa Ag. MS.
13	nasuta Ag. MS.		<i>Unio cariosus</i> Say.
	<i>Mya nasuta</i> Wood.	14	ochracea Ag. MS.
	<i>Unio nasutus</i> Say.		<i>Unio ochraceus</i> Say.

Page.		Page.	
14	Lampalis ventricosa Ag. MS. <i>Unio ventricosus</i> Barnes.	15	Alasmodonta marginata S.
14	siliquoidea Ag. MS. <i>Unio siliquoideus</i> Barnes.	15	Strophitus undulatus Raf. <i>Anodonta undulata</i> Say.
14	Metaptera alata Ag. MS. <i>Unio alatus</i> Say.	15	sculptilis Ag. MS. <i>Unio undulata</i> Say. <i>Alasm. undulata</i> Barnes. <i>Alasm. sculptilis</i> Say.
14	gracilis Ag. MS. <i>Unio gracilis</i> Barnes.	15	Anodonta Benedictensis
14	Complanaria rugosa Ag. MS. <i>Alasmodonta rugosa</i> Barn.	15	implicata Say. [Lea.
14	alasmodontina Ag. MS. <i>Unio alasmodontinus</i> Barn. <i>compressus</i> Lea.	15	fluvialilis Lea. <i>Mytilus fluvialilis</i> Dill.
15	Margaritana arcuata Phil. <i>Alasm. arcuata</i> Barnes.	15	marginata Say.
		15	Housatonica Linsley.
		15	subcylindracea Lea.

Cycladidæ.

16	Cyclas similis Say.	16	Pisidium dubium Gould. <i>Cyclas dubia</i> Say.
16	rhomboidea Say.	16	minus St. <i>Cyclas minor</i> Ad. et Migh.
16	elegans Adams.	16	Adamsii Prime MS. <i>Cyclas nitida</i> Ad. et Migh.
16	partumeia Say.	16	ventricosum Prime.
16	pellucida Prime. <i>C. calyculata</i> Adams.		
16	truncata Linsley.		
16	orbicularia Barratt.		

Kelliadæ.

16	Montacuta elevata St. <i>M. bidentata</i> Gould.	17	Kellia planulata St. <i>K. rubra</i> Gould.
16	Turtonia minuta Alder. <i>Venus minuta</i> O. Fabr.		

Lucinidæ.

17	Thyasira Gouldii St. <i>Lucina Gouldii</i> Phil. <i>Lucina flexuosa</i> Gould.	17	Lucina strigilla St. <i>L. divaricata</i> Auct.
		17	flosa St. <i>L. radula</i> Gould.

Astartidæ.

17	Cardita borealis Conr.		<i>A. undata</i> Mighels.
18	Astarte mactracea Linsley. <i>A. lunulata</i> Conr.?	18	Astarte Portlandica Mighels.
18	sulcata Flem. <i>Pectunculus sulcatus</i> Da C.	18	quadrans Gould.
		18	castanea Say.

Cyprinidæ.

Page.

Page.

- 18
- Cyprina Islandica*
- Lam.

Cardiadæ.

- 19
- Cardium Islandicum*
- Linn.

Cardium Grœnlandicum Chemn.

- 19
- pinnulatum*
- Conr.

edentulum Sow.

- 19
- Mortœni*
- Conr.

Acardo edentulus Swains.

- 19
- Aphrodite Grœnlandica*
- St.

Aphrodite columba Lea.**Veneridæ.**

- 19
- Venus mercenaria*
- Linn.

- 19
- Cytherea convexa*
- Say.

- 19
- fluctuosa*
- Gould.

- 19 var.
- minor*
- .

- 19
- gemma*
- Totten.

C. morrhua Linsley?**Mactridæ.**

- 20
- Mactra lateralis*
- Say.

- 20
- Mactra solidissima*
- Chemn.

- 20
- ponderosa*
- Phil.

- 20
- similis*
- Say.

M. ovalis Gould.**Donacidæ.**

- 20
- Mesodesma arctatum*
- Gould.

- 20
- Mesodesma deauratum*
- Hant.

Mactra arctata Conr.*Mactra deaurata* Turton.*Mesodesma Jauresii* Joan.**Tellinidæ.**

- 20
- Cumingia tellinoides*
- Conr.

T. sordida Couth.

- 20
- Tellina fusca*
- Phil.

calcareæ Lyell.*Sanguinolaria fusca* Say.

- 21
- Tellina tenera*
- Say.

T. Grœnlandica Beck?

- 21
- tenta*
- Say.

- 21
- proxima*
- Brown.

- 21
- versicolor*
- Cozzens.

Sanguin. sordida Gould.

- 21
- elucens*
- Mighels.

Solemyadæ.

- 21
- Solemya velum*
- Say.

- 21
- Solemya borealis*
- Totten.

Solenidæ.

- 22
- Solecurtus gibbus*
- F. et H.

- 22
- Machæra squama*
- Gould MS.

Solen gibbus Spengler.*Solecurtus squama* Blainv.*Caribæus* Lam.*M. nitida* Gould.*Solecurtus Caribæus* Conr.

- 22
- costata*
- Gould.

- 22
- bidens*
- F. et H.

Solen costatus Say.*Solen bidens* Chemn.*Nahantensis* Desm.*fragilis* Pult.*Sayi* Griffith.*centralis* Say.

- 22
- Solen ensis*
- Linn.

Solecurtus fragilis Gould.

Anatinidæ.

Page.		Page.	
22	<i>Anatina papyracea</i> Say.	22	<i>Thracia truncata</i> Michels.
22	<i>Cochlodesma Leanum</i> Couth.	23	Couthouyl St.
	<i>Anatina Leana</i> Couth.	23	Conradi Couth.

Pandoridæ.

23	<i>Lyonsia hyalina</i> Contr.	23	<i>Pandora trilineata</i> Say.
	<i>Osteodesma hyalina</i> Contr.		

Corbulidæ.

24	<i>Corbula contracta</i> Say.
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Myadæ.

24	<i>Glycymeris siliqua</i> Lam.		<i>P. arctica</i> Desh.
	<i>Mya siliqua</i> Chemn.	24	<i>Mya truncata</i> Linn.
24	<i>Panopæa Norvegica</i> Lovén.	24	<i>arenaria</i> Linn.
	<i>Mya Norvegica</i> Spengl.		

Gastrochænidæ.

24	<i>Petricolapholadiformis</i> Lam.		<i>S. distorta</i> Say.
	<i>P. fornicata</i> Say.	25	<i>Saxicava rugosa</i> Lam.
24	<i>dactylus</i> Say.		<i>Mytilus rugosus</i> O. Fabr.
25	<i>Saxicava arctica</i> Desh.		<i>S. distorta</i> Say.
	<i>Mya arctica</i> L.		

Pholadidæ.

25	<i>Pholas costata</i> Linn.	25	<i>Pholas crispata</i> Linn.
25	<i>truncata</i> Say.	26	<i>Teredo dilatata</i> St.

GASTEROPODA.**PTEROPODA.****Hyaleadæ.**

27	<i>Hyalea trispinosa</i> Lesueur.
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Limacinadæ.

27	<i>Spiralis Gouldii</i> St. (pl. i, fig. 4).
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Clionidæ.

27	<i>Clione borealis</i> Gray		<i>Clio borealis</i> Linn.
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PROSOBRANCHIATA.**Dentaliadæ.**

28	<i>Dentalium striolatum</i> St.	28	<i>Dentalium occidentale</i> St.
	<i>D. entalis</i> Mich.		<i>D. dentale</i> Gould.

Chitonidæ.

Page.		Page.	
28	Chiton apiculatus Say. <i>C. pectinatus</i> Gould MS.	29	Chiton marmoreus O. Fabr. <i>C. levigatus</i> Flem.
28	cinereus Linn. <i>C. marginatus</i> Penn.	29	<i>C. fulminatus</i> Couth.
28	albus Linn.	29	mendicarius Migh. et Ad.
29	ruber Linn.	29	Amicula vestita Gray. <i>Chiton vestitus</i> Br. et Sow. <i>Emersonii</i> Couth.

Patellidæ.

29	Pilidium candidum St. <i>Patella candida</i> Couth.		<i>Lottia testudinalis</i> Forbes. <i>Acmæa testudinalis</i> Hanley.
29	Tectura testudinalis Gray. <i>Patella testudinalis</i> Müll. <i>amæna</i> Say.	30	Tectura alveus St. <i>Patella alveus</i> Conr. <i>Lottia alveus</i> Gould.

Calyptræidæ.

30	Calyptræa striata Say.	30	Crepidula unguiformis Lam. <i>C. plana</i> Say.
30	Crepidula fornicata Lam. <i>Patella fornicata</i> Linn. <i>C. glauca</i> Say.	30	convexa Say.

Fissurellidæ.

30	Diadora Noachina Gray. <i>Patella Noachina</i> Linn. <i>Cemoria Noachina</i> Gould.		<i>Cemoria princeps</i> Migh. et Ad. <i>Puncturella Noachina</i> Lowe.
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Trochidæ.

31	Trochus occidentalis Migh. et Adams. <i>Margarita alabastrum</i> Beck MS. <i>T. alabastrum</i> F. et H.		<i>M. arctica</i> Gould. <i>Trochus helycinus</i> F. et H.
31	Margarita cinerea Gould. <i>Turbo cinereus</i> Couth.	32	Margarita coarctata St. <i>Delphinula coarctata</i> Mighels.
31	obscura Gould. <i>Turbo obscurus</i> Couth.	32	? multilineata De Kay.
31	undulata Sowb.	32	? ornata De Kay.
31	argentata Gould.	32	Adeorbis costulata St. <i>Margarita? costulata</i> Möll. —? <i>costulata</i> F. et H. <i>Marg. minutissima</i> Migh.?
32	helicina Möll. <i>Turbo helycinus</i> O. Fabr.	32	Phasianella sulcosa Migh.

Ianthinidæ.

32	Ianthina fragilis Brug.
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Paludinidæ.

Page.		Page.	
32	Melania depygis Say.	33	Valvata tricarinata Say.
33	Paludina decisa Say.	33	sincera Say.
33	Amnicola porata Gould.	33	pupoidea Gould.
33	pallida Hald.		

Littorinidæ.

33	Littorina rudis Gould.	33	Rissoa modesta St.
	<i>Nerita littorea</i> O. Fabr.		<i>Cingula modesta</i> H. C. Lea.
	<i>Turbo rudis</i> Don.		<i>lævis</i> De Kay?
	<i>tenebrosus</i> Mont.	34	latior St.
	<i>obligatus</i> Say.		<i>Cing. latior</i> Migh. et. Ad.
	<i>vestitus</i> Say.	34	eburnea St. (pl. i, fig. 1).
	<i>L. Grönlandica</i> Müll.	34	aculeus St.
	<i>tenebrosa</i> Forbes.		<i>Cingula aculeus</i> Gould.
33	Littoralis F. et H.		<i>Paludinella aculeus</i>
	<i>Nerita littoralis</i> L.		Middendorff?
	<i>Turbo palliatus</i> Say.	34	multilineata St. (pl. i, f. 2).
	<i>L. palliata</i> Gould.	34	Mighelsii St.
	<i>neritoides</i> De Kay.		<i>Cingula arenaria</i> M. et Ad.
33	irrorata Gray.	34	exarata St. (pl. i, fig. 3).
	<i>Turbo irroratus</i> Say.	34	pelagica St.
	<i>Phasianella sulcata</i> Lam.		<i>Cingula semicostata</i> Migh.
33	Lacuna vineta Turton.		et Ad.
	<i>Turbo divaricatus</i> O. Fabr.	35	Skenea planorbis F. et H.
	<i>vinctus</i> Mont.		<i>Turbo planorbis</i> O. Fabr.
33	neritoidea Gould.		<i>S. serpuloides</i> Gould.
33	Rissoa minuta St.		
	<i>Turbo minutus</i> Tott.		
	<i>Cingula minuta</i> Gould.		

Turritellidæ.

35	Turritella costulata M. et Ad.	35	Turritella acicula St.
35	areolata St.		(pl. i, fig. 5).
35	erosa Couth.	36	Cœcum pulchellum St.
			(pl. ii, fig. 3).

Cerithiadæ.

37	Aporrhais occidentalis Beck.	37	Cerithium Sayi Menke.
	<i>Rostellaria occidentalis</i>	37	Greenii Adams.
	Gould.	37	nigrocinctum Adams.

Vermetidæ.

37	Vermetus radicula St.	<i>V. bicarinatus</i> Desh.?
	<i>V. lumbricalis</i> Gould.	<i>Knorrrii</i> Desh.?

Scalariadæ.

Page.		Page.	
39	Scalaria Novangliæ Couth.	39	Scalaria multistriata Say.
39	Grönlandica Gould.	39	Eulima oleacea Kurtz et St.
39	lineata Say.		(pl. i, fig. 6).

Pyramidellidæ.

40	Menestho albula Möll.	42	Chemnitzia bisuturalis St.
	<i>Turbo albulus</i> O. Fabr.		<i>Turritella bisuturalis</i> Say.
	<i>Pyramis striatula</i> Couth.		<i>Jaminia exigua</i> Couth.
40	Chemnitzia nivea St.		<i>Odostomia exigua</i> Gould.
41	interrupta St.	42	trifida St.
	<i>Turritella interrupta</i> Tott.		<i>Actæon trifidus</i> Tott.
41	producta St.		<i>Odostomia trifida</i> Gould.
	<i>Jaminia producta</i> Adams.	42	impressa Kurtz MS.
	<i>Odostomia producta</i> Gould.		<i>Turritella impressa</i> Say.
41	fusca St.		<i>Odostomia insculpta</i> De K.
	<i>Pyramis fusca</i> Adams.	42	seminuda St.
	<i>Odostomia fusca</i> Gould.		<i>Jaminia seminuda</i> Adams.
41	dealbata St.		<i>Odostomia seminuda</i> Gld.
41	modesta St.		

Naticidæ.

42	Natica flava Gould.	42	Natica Gouldii Phil.
42	helicoides Johnston.	43	Grönlandica Beck.
	<i>N. canaliculata</i> Gould.		<i>N. pusilla</i> Gould.
	<i>cornea</i> Phil.	43	immaculata Totten.
	<i>Gouldii</i> Adams.	43	duplicata Say.
42	heros Say.	43	pusilla Say.
42	triseriata Say.	43	clausa Brod. et Sow.

Velutinidæ.

44	Velutina haliotoides Möll.	44	Lamellaria perspicua Lovén.
	<i>Helix haliotoides</i> O. Fabr.		<i>Helix perspicua</i> Linn.
	<i>V. lævigata</i> Flem.		<i>Sigaretus haliotoideus</i> Flem.
44	zonata Gould.		

Cancellariadæ.

44	Admete viridula St.	45	Trichotropis borealis
	<i>Tritonium viridulum</i> O. Fabr.		<i>Brod. et Sow.</i>
	<i>Murex costellifer</i> Sow.	45	Cerithiopsis terebellum St.
	<i>Cancellaria buccinoides</i> Cou.		<i>Cerithium terebrale</i> Ad.
	<i>Couthouyi</i> Jay.		<i>terebellum</i> Ad.
	<i>Admete crispa</i> Möll.	45	Emersonii St.
	<i>Cancellaria viridula</i> Lovén.		<i>Cerithium Emersonii</i> Ad.

Muricidae.

Page.		Page.	
45	Ranella caudata Say.	47	Tritonium clathratum Müll.
45	Purpura lapillus Lam.		<i>Murex clathratus</i> Linn.
	<i>Buccinum lapillus</i> Linn.		<i>Bamffius</i> Don.
45	Nassa trivittata Say.		<i>Fusus Bamffius</i> Flem.
	<i>Buccinum trivittatum</i> Ad.		<i>Trophon clathratum</i>
45	vibex Say.		F. et H.
	<i>Buccinum vibex</i> Ad.	47	scalariforme St.
45	obsoleta Say.		<i>Fusus scalariformis</i> Gould.
	<i>Buccinum obsoletum</i> Ad.		<i>T. clathratum</i> var. Lovèn.
45	Buccinum undatum Linn.	47	Fasciolaria ligata Migh. et Ad.
46	plicosum Menke.	47	Pyrula canaliculata Brug.
	<i>Fusus cinereus</i> Say.		<i>Murex canaliculata</i> Linn.
46	Tritonium ventricosum St.	47	carica Brug.
	<i>Fusus ventricosus</i> Gray.		<i>Murex carica</i> Gmel.
46	Islandicum Lovèn.		<i>P. aurana</i> Reeve.
	<i>Murex Islandicus</i> Chemn.	47	Columbella rosacea St.
	<i>Fusus Islandicus</i> Gould.		<i>Buccinum rosaceum</i> Gld.
46	pygmæum St.	47	dissimilis St.
	<i>Fusus Islandicus</i> var. <i>pyg-</i>		<i>Buccinum zonale</i> Linsley?
	<i>mæus</i> Gould.	48	lunata Sow.
	<i>Fusus pygmaeus</i> Migh.		<i>Nassa lunata</i> Say.
46	decemcostatum		<i>Buccinum lunata</i> Ad.
	Middendorff.	48	Fusus Trumbulli Linsley?
	<i>Fusus decemcostatus</i> Say.	48	Buccinum Veatleyi De Kay?
		48	Columbella Gouldiana Ag.
		48	avara Say. [MS.

Conidae.

48	Mangella turricula F. et H.	49	Mangella cancellata St.
	<i>Murex turricula</i> Mont.		<i>Fusus cancellatus</i> M. et A.
	<i>Fusus turricula</i> Brown.	49	decussata St.
48	harpularia St.		<i>Pleurotoma decussata</i> Cou.
	<i>Fusus harpularius</i> Couth.	49	violacea St.
49	pyramidalis St.		<i>Pleurotoma violacea</i>
	<i>Buccinum pyramidale</i>		Migh. et Ad.
	Ström.	49	bicarinata St.
	<i>Tritonium pyramidale</i>		<i>Pleurotoma bicarinata</i> Cou.
	Lovèn.	49	Pleurotoma cerinum Kurtz et
	<i>Fusus rufus</i> Gould.		St. (pl. ii, fig. 2).
		49	plicatum Adams.

TECTIBRANCHIATA.

Bullidæ.

Page.		Page.	
50	<i>Bulla hiemalis</i> Couth.	50	<i>Bulla solitaria</i> Say.
50	<i>oryza</i> Totten.		<i>B. insculpta</i> Tott.
50	<i>triticea</i> Couth.	50	<i>puncto-striata</i> M. et Ad.
	<i>B. corticata</i> Möll.	51	<i>Philine lineolata</i> St.
50	<i>canaliculata</i> Say.		<i>Bulla lineolata</i> Couth.
	<i>B. obstructa</i> Gould.	51	<i>sinuata</i> St. (pl. i, fig. 7).
50	<i>pertenuis</i> Mighels.	51	<i>formosa</i> St.
50	<i>incincta</i> Mighels.		<i>P. quadrata</i> F. et H.?
50	<i>debilis</i> Gould.		<i>scutulum</i> Lovèn.?
50	<i>Gouldii</i> Couth.		

Tornatellidæ.

51	<i>Actæon puncto-striata</i> St.		<i>Tornatella puncto-striata</i> Ad.
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Melampidæ.

51	<i>Melampus corneus</i> St.		<i>Voluta denticulata</i> Mont.
	<i>M. bidentatus</i> Say.		<i>Auricula denticulata</i> Gld.
	<i>Auricula cornea</i> Desh.	52	<i>Carychium exiguum</i> Gould.
	<i>bidentata</i> Gould.		<i>Pupa exigua</i> Say.
52	<i>denticulatus</i> Auct.		<i>Bulimus exiguus</i> Binney.

PNEUMOBANCHIATA.

Limnæadæ.

52	<i>Ancylus parallelus</i> Hald.	52	<i>Limnæa elodes</i> Say.
	<i>A. rivularis</i> Gould.	52	<i>gracilis</i> Jay.
52	<i>fuscus</i> Adams.	53	<i>Physa heterostropha</i> Say.
52	<i>tardus</i> Say.	53	<i>fragilis</i> Migh. et Ad.
52	<i>Limnæa appressa</i> Say.	53	<i>ancillaria</i> Say.
52	<i>decollata</i> Migh. et Ad.	53	<i>gyrina</i> Say.
52	<i>catascopium</i> Say.	53	<i>elongata</i> Say.
	<i>L. pinguis</i> Say.	53	<i>Planorbis trivolvus</i> Say.
	<i>emarginata</i> Say.	53	<i>lentus</i> Say.
52	<i>ampla</i> Migh.	53	<i>bicarinatus</i> Say.
52	<i>megasoma</i> Say.	53	<i>campanulatus</i> Say.
52	<i>columella</i> Say.	53	<i>armigerus</i> Say.
	<i>L. macrostoma</i> Say.	53	<i>hirsutus</i> Gould.
52	<i>caperata</i> Say.	53	<i>deflectus</i> Say.
	<i>L. umbilicata</i> Adams.	53	<i>exacutus</i> Say.
52	<i>humilis</i> Say.	53	<i>parvus</i> Say.
	<i>L. modicellus</i> Say.		<i>P. elevatus</i> Adams.
52	<i>pallida</i> Adams.	53	<i>dilatatus</i> Gould.
52	<i>desidiosa</i> Say.		<i>P. lens</i> Lea.

Vertiginidæ.

Page.		Page.	
53	Vertigo milium Gould.	53	Vertigo ovata Say.
	<i>Pupa milium</i> Gould.		<i>Pupa ovata</i> Sager.
53	Gouldii Gould.		<i>modesta</i> Say.
	<i>Pupa Gouldii</i> Binney.	53	simplex St.
			<i>Pupa simplex</i> Gould.

Pupadæ.

53	Pupa pentodon Binney.	54	Pupa contracta Say.
	<i>Vertigo pentodon</i> Say.	54	badia Adams.
	<i>P. curvidens</i> Gould.	54	armifera Say.

Helicidæ.

54	Bulimus harpa Pfeiff.	55	Helix striatella Anthony.
	<i>Helix harpa</i> Say.	55	exigua St.
	<i>Pupa costulata</i> Migh.		<i>H. annulata</i> Case?
54	fallax Gould.	55	minuscula Binney.
	<i>Pupa fallax</i> Say.	55	fuliginosa Griffith.
54	lubricoides St.	55	cellaria Müll.
	<i>B. lubricus</i> Gould.	55	inornata Say.
54	Helix albolabris Say.	55	arborea Say.
54	nemoralis Linn.	55	electrina Gould.
	<i>H. hortensis</i> Müll.	55	indentata Say.
	<i>subglobosa</i> Binney.	55	chersina Say.
54	thyroidus Say.	55	suppressa Say.
54	dentifera Binney.	55	multidentata Binney.
54	tridentata Say.	55	lineata Say.
54	palliata Say.	55	Succinea obliqua Say.
54	monodon Rackett.		<i>S. campestris</i> Gould.
54	hirsuta Say.		<i>ovalis</i> Say.
54	concava Say.	55	avara Say.
54	minuta Say.	55	ovalis Gould.
	<i>H. pulchella</i> Gould.	55	Vitрина pellucida Drap.
54	Sayii Binney.		<i>Helix pellucida</i> Müll.
54	labyrinthica Say.		<i>Vitрина limpida</i> Gould.
55	alternata Say.		

Limacidæ.

56	Limax campestris Binney.	56	Tebennophorus dorsalis
56	agrestis Müll.		<i>Binney.</i>
	<i>L. tunicata</i> Gould.		<i>Phylomycus dorsalis</i> Binn.
56	variegatus Drap.	56	Caroliniensis Binney.
56	Arion hortensis Fér.		<i>Limax Caroliniensis</i> Boso.
			<i>togata</i> Gould.

CEPHALOPODA.

DECAPODA.

Spirulidæ.

Page.

Page.

57 *Spirula Peronii* Lam.

Loliginidæ.

57 *Loligo illecebrosa* Lesueur. | 57 *Loligo pavo* Lesueur.

ERRATA.

58 *Pecten fuscus* Linsley (preoc.) = *Pecten brunneus* St.58 *Leda obesa* St.

Prime.—Descriptions of two new Species of Fresh-water Shells:
by TEMPLE PRIME. (From Annals of N. Y. Lyceum of Natural
History, vol. v. February, 1852.)

Page.	Plate.	Name.	Locality.
218	vi	<i>Cyclas securis</i> Prime.	Massachusetts.
219	vi	<i>Pisidium compressum</i> Prime.	Massachusetts.

Jay.—A Catalogue of the Shells, arranged according to the Lamarckian System, &c., contained in the Collection of JOHN C. JAY, M. D. Fourth edition, with Supplement. New York, 1852. [No descriptions.]

CLASS TROPIPODA.

ORDER BIMUSCULOSA.

Family Tubicola.

Page.	Name.	Locality.
9	<i>Teredo navalis</i> Linn.	Atlantic ocean.

Family Pholadaria.

9	<i>Pholas Californica</i> Conrad.	Upper California.
	<i>P. Janellii</i> Desh.	
10	<i>costata</i> Linn.	South Carolina.
10	var.	N. Y., Gulf of Mexico.
10	<i>crispata</i> Linn. (var.)	Sandy Hook.
10	<i>penita</i> Conrad.	California.
	<i>P. concamerata</i> Desh.	
10	<i>truncata</i> Say.	New York.

Family **Solenacea.**

Page.	Name.	Locality.
11	Solen ensis Linn.	N. Y., Rhode Island.
11	siliqua Linn.	New York.
11	vagina Linn.	New York.
11	viridis Say.	Rhode Island.
12	Solecortus Californianus Conrad. (<i>Cultellus</i> Conrad.)	Upper California.
12	Caribæus Lam. <i>S. Guineensis</i> ? Chem.	N. Y., Rhode Island.
12	coarctatus Gmelin (var.) <i>S. centralis</i> Say. <i>antiquatus</i> Lam.	Rhode Island.
12	subteres Conrad. <i>Cultellus subteres</i> Conrad.	Upper California.
12	Machæra costata Say.	New York.
12	lucida Conrad.	Upper California.
12	maxima Wood. <i>Solecortus Nuttallii</i> Conrad.	Oregon.
12	media Gray. <i>M. nitida</i> Gould.	B'ks of Newfoundland.
12	Panopæa Norvegica Speng. <i>P. arctica</i> Gould.	B'ks of Newfoundland.
13	Glycimeris siliqua Lam. <i>Mya siliqua</i> . <i>picea</i> .	Newfoundland.
13	Solemya borealis Totten.	Rhode Island.
13	velum Say.	New York.

Family **Myaria.**

13	Mya arenaria Linn. (var.) <i>Mya acuta</i> Say.	N. England, N. Y., N. J.
13	cancellata Conrad.	Upper California.
14	truncata Lam. <i>M. ovalis</i> Turt. (young.)	Newfoundland.
14	Corbula contracta Say.	Rhode Island.
15	Pandora trilineata Say. <i>P. nasuta</i> Sowb.	New York, N. J.

Family **Osteodesmata.**

16	Osteodesma hyalina Conrad.	New York.
16	Cochlodesma Leana Conrad. <i>Anatina Leana</i> Conrad.	New York.
16	Periploma angulifera Phil.	Galveston.
16	argentaria Conrad.	California.

Page.	Name.	Locality.
17	Anatina papyracea Say.	United States.
17	Thracia Conradi Couth. <i>T. declivis</i> Conrad.	Coasts of N. England.
17	myopsis Beck.	Greenland.
17	truncata Michels.	Casco Bay.

Family **Mastracea.**

18	Lutraria canaliculata Say.	South Carolina.
18	lineata Say. <i>L. papyracea</i> ? Lam.	Georgia.
19	Mactra lateralis Say. <i>Mulinia lateralis</i> Gray.	New York.
19	ovalis Gould. <i>M. grandis</i> Desh.	Massachusetts.
19	var. <i>M. similis</i> Gray.	Rhode Island.
19	similis Say.	South Carolina.
19	solidissima Chemn. <i>M. gigantea</i> Lam.	New York.
19	Gnathodon cuneatus Gray. <i>Rangia Cyrenoides</i> Conrad.	Alabama.
20	Mesodesma arcata Conrad.	Rhode Island.
21	Kellia rubra Turton. <i>Cardium rubrum</i> Mont. <i>Amphidesma nucleolum</i> Lam.	Stonington, Ct.
21	Amphidesma æquale Say.	South Carolina.
22	decisum Conrad. <i>A. roseum</i> ? Sowerby.	Upper California.
22	Cumingia Californica Conrad.	Santa Barbara.
22	tellinoides Conrad. <i>Mactra tellinoides</i> Conrad.	Maine.

Family **Lithophaga.**

22	Saxicava Californica Conrad. <i>S. pholadis</i> Lam.	California.
22	pholadis Lam. (var.) <i>Bissomya pholadis</i> De Blain. <i>S. distorta</i> Say.	New York.
23	Sphænia Californica Conrad.	California.
23	Petricola cylindracea Desh.	California.
23	dactylus Sowerby.	New Jersey.
23	pholadiformis Lam. <i>P. fornicata</i> Say.	New York.
23	Venerupis gigantea Desh. <i>Saxidomus Nuttallii</i> Conrad.	California.
23	Pettii Desh.	California.

Family Nymphacea.

Page.	Name.	Locality.
23	Sanguinolaria Nuttalli Conrad.	California.
24	Psammobia Pacifica Conrad.	Columbia river.
25	Tellina alta Conrad.	California.
25	<i>alternata</i> Say.	Florida.
25	<i>Burneti</i> Brod.	Massatlan.
	<i>Lucina cristata</i> Recluz.	
25	<i>caloarea</i> Chemn.	Greenland.
	<i>T. sordida</i> Phil.	
25	<i>Cayennensis</i> Lam.	Mexico.
	<i>T. constricta</i> Phil.	
	<i>Psammobia Cayennensis</i> Lam.	
	<i>T. intastriata</i> Say.	
25	<i>decora</i> Say.	East coast of Florida.
26	<i>dispar</i> Conrad.	California, Wahoo.
26	<i>Fabricii</i> Hanley.	Greenland.
	<i>T. fragilis</i> Fab.	
26	<i>fusca</i> Say.	New York.
	<i>Psammobia fusca</i> Say.	
	<i>Sanguinolaria fusca</i> Conrad.	
26	<i>inconspicua</i> Br. & Sowb.	Arctic Ocean.
26	<i>iris</i> Say.	New York.
27	<i>lateralis</i> Say.	Florida.
27	<i>nasuta</i> Conrad.	Columbia river.
28	<i>polita</i> Say.	South Carolina.
28	<i>proxima</i> Brown.	Massachusetts.
	<i>T. sordida</i> Conth.	
28	<i>rugosa</i> Born.	New California.
28	<i>secta</i> Conrad.	Upper California.
	<i>T. ligamentina</i> Desh.	
29	<i>tenera</i> Say.	New Bedford.
30	Lucina Californica Conrad.	San Diego.
30	<i>contracta</i> Say.	Rhode Island.
30	<i>corrugata</i> Desh.	California.
30	<i>Floridana</i> Conrad.	Tampa bay.
30	<i>Nuttalli</i> Conrad.	Upper California.
31	Donax californica Conrad.	Sta. Barbara.
31	<i>fossor</i> Say.	New York.
31	<i>variabilis</i> Say.	Georgia.

Family Conchacea.

32	Cyclas dubia Say.	Ohio.
32	<i>elegans</i> Adams.	Vermont.
32	<i>minor</i> Adams.	Vermont.

Page.	Name.	Locality.
32	<i>Cyclas partumeia</i> Say.	Ohio.
32	<i>rhomboidea</i> Say.	Vermont.
32	<i>similis</i> Say.	Ohio.
	<i>C. sulcata</i> Lam.	
32	<i>staminea</i> Conrad.	Missouri.
33	<i>Cyrena Caroliniensis</i> Lam.	South Carolina.
	<i>Cyclas Caroliniensis</i> Bosc.	
33	<i>sordida</i> Hanley.	North America.
34	<i>Cyprina Islandica</i> Lam.	B'ks of Newfoundland.
	<i>Venus bucardium</i> Born.	Rhode Island.
	<i>mercenaria</i> Pennant.	
34	<i>Astarte Banksii</i> Gray.	Greenland.
34	<i>bilunulata</i> Conrad.	Tampa bay.
34	<i>castanea</i> Say.	N. Y., Provincetown.
	<i>A. picea</i> var.	
	<i>procera</i> Totten.	
34	<i>Danmoniensis</i> Sowerby.	Maine.
35	<i>difficilis</i> .	Greenland.
35	<i>laevis</i> .	Greenland.
35	<i>laotea</i> Brod.	Grand Bank.
35	<i>quadrans</i> Gould.	Maine.
35	<i>semisulcata</i> Gray.	Greenland.
35	<i>striata</i> Leach.	Greenland.
	<i>Nicania striata</i> Leach.	
35	<i>undata</i> Gould.	Maine.
	<i>A. latisulca</i> Hanley.	
35	<i>Cytherea convexa</i> Say.	New York.
36	<i>Crassatelloides</i> Conrad.	California.
	(<i>Trigonella</i> Conrad.)	
36	var.	San Diego, Sta. Barbara.
36	<i>Dione</i> Linn. (var.)	California.
36	<i>gigantea</i> Lam.	Florida.
37	<i>planulata</i> Sowerby.	Mazatlan.
37	<i>rosea</i> Br.	San Blas.
37	<i>squalida</i> Sowerby.	California.
	<i>C. elegans</i> Koch.	
	<i>biradiata</i> Sowerby.	
38	<i>Artemis gigantea</i> Sowerby.	California.
38	<i>Venus Californiensis</i> Brod.	California.
38	<i>cancellata</i> Lam. (var.)	South Carolina.
	<i>V. elevata</i> Say.	
	<i>Cingenda</i> Dillwyn.	
39	<i>fluctuosa</i> Gould.	B'ks of Newfoundland.
40	<i>gemma</i> Totten.	New York.
40	<i>gnidia</i> Br.	San Blas.

Page.	Name.	Locality.
40	Venus grata Say.	West coast of Mexico.
	<i>V. discors</i> Sowerby.	
40	mercenaria Linn.	N. Y., N. J., Mass.
40	Mortoni Conrad.	Florida.
41	notata Say.	New York.
41	Nuttalli Conrad.	California.
42	tricolor Brod.	California.
42	undatella Sowerby.	California.

Family **Cardiacea.**

44	Cardium elatum Sowerby.	California.
44	var.	Gulf of California.
44	Grœnlandicum Chemn.	Greenland.
	<i>C. edentulum</i> Sowerby.	
	var. <i>Maetra radiata</i> Donovan.	North Atlantic.
	var. <i>Aphrodite columba</i> Lea.	B'ks of Newfoundland.
44	Icelandicum Chemn. (var.)	Massachusetts bay.
	<i>C. pubescens</i> Couth.	
	<i>arcticum</i> Sowerby.	
45	magnum Born.	Gulf of Mexico.
	<i>C. maculatum</i> Gemlin.	
	var. <i>C. ventricosum</i> Brug.	South Carolina.
45	Mortoni Conrad.	New York.
45	Nuttalli Conrad.	Upper California.
45	pinnulatum Conrad.	Rhode Island.
46	quadragerarium Conrad.	Upper California.
46	substriatum Conrad.	California.
47	Cardita borealis Conrad.	Rhode Island.
	<i>Venericardia borealis</i> Conrad.	
47	Floridana Conrad.	Tampa Bay.

Family **Arcacea.**

49	Arca Americana Gray.	Mobile.
49	formosa Sowerby.	Mexico.
50	incongrua Say.	South Carolina.
50	pexata Say.	New York.
50	ponderosa Say.	Coast of United States.
	<i>A. hemicardium</i> Koch.	
51	transversa Say.	New York.
51	trapezia Desh.	Mexico.
	<i>A. tobata</i> Reeve.	
52	Nucula antiqua Mighels (fossil).	Maine.
52	buccata Stp.	Greenland.
	<i>N. rostrata</i> ? Lam.	

Page.	Name.	Locality.
53	Nucula Cascoensis <i>Mighels.</i>	Casco bay.
53	delphinodonta <i>Mighels.</i>	Casco bay.
53	lenticula <i>Möll.</i>	Greenland.
53	limatula <i>Say.</i>	Rhode Island.
53	macilenta <i>Stp.</i>	Greenland.
53	minuta <i>Gmelin.</i>	Massachusetts.
	<i>N. tenuisulcata</i> <i>Couth.</i>	
53	var.	Greenland.
53	myalis <i>Couth.</i>	Massachusetts bay.
53	navicularis <i>Couth.</i>	Maine.
53	Portlandica <i>Hitch. (fossil).</i>	Maine.
53	proxima <i>Say.</i>	Massachusetts bay.
53	sapotilla <i>Gould.</i>	Cape Cod.
53	tenuis <i>Turton, Gray.</i>	Maine, Greenland.
	<i>N. lucida</i> <i>Blanding.</i>	
53	Thraciæformis <i>Storer.</i>	Cape Cod.

Family Naiades.

54	Unio acutissimus <i>Lea.</i>	Alabama river.
54	alatus <i>Say.</i>	Fox river.
	<i>Symphynota alata</i> <i>Lea.</i>	Detroit riv., N. West'n
	var. <i>U. megaptera</i> <i>Raf.</i>	Territory, Ohio.
54	altilis <i>Conrad.</i>	Alabama river.
54	angustatus <i>Lea.</i>	Congaree river.
54	apiculatus <i>Say.</i>	New Orleans.
	var. <i>U. asper</i> <i>Lea.</i>	Alabama river.
55	arctior <i>Lea.</i>	Ohio river.
	<i>U. dilatatus?</i> <i>Raf.</i>	
55	atrocostatus <i>Lea.</i>	Alabama.
55	biangulatus <i>Lea.</i>	Tennessee.
55	Blandingianus <i>Lea.</i>	Florida.
55	Boydianus <i>Lea.</i>	New York.
55	bullatus <i>Raf.</i>	Ohio.
	<i>U. pustulosus</i> <i>Lea.</i>	
	var. <i>U. Dorfeuillanus</i> <i>Lea.</i>	
	<i>Schoolcraftensis</i> <i>Lea.</i>	
	<i>prasinus</i> <i>Conrad.</i>	
55	cælatius <i>Conrad.</i>	Tennessee.
55	callosus <i>Lea.</i>	Ohio canal.
55	camptodon <i>Say.</i>	New Orleans.
55	capax <i>Green.</i>	Louisiana.
	<i>U. globosus</i> <i>Lea.</i>	
55	Capsæformis <i>Lea.</i>	Cumberland river.

Page.	Name.	Locality.
56	Unio carbonarius Lea.	Medellin river.
	<i>U. pliciferus</i> Lea.	
	var. <i>U. plexus</i> Conrad.	Mexico.
	<i>semigranosa</i> Busch.	
56	cardium Raf.	Ohio river.
	<i>U. occidentis</i> Lea.	
	var. <i>U. ventricosus</i> Barnes, Say.	
	<i>subovatus</i> Lea.	
56	cariosus Say.	Passaic river.
	<i>U. ovata</i> Valenc.	
	var. <i>U. luteolus</i> Lam.	Hudson river & Conn.
56	castaneus Lea.	Alabama river.
56	cerinus Conrad.	Louisiana.
56	cicatricosus Say.	Ohio river.
	<i>U. varicosus</i> Lea.	
56	Claibornensis Lea.	Alabama.
56	clavus Lam.	Wabash river.
	<i>U. Modioliformis</i> Say.	
	var. <i>U. scalenius</i> Raf.	Ohio river.
	<i>cuneatus</i> Raf.	
	<i>patulus</i> Lea.	
56	coccineus Lea.	Mahoning river.
	<i>U. rubra</i> ? Raf.	
	var. <i>U. catillus</i> Conrad.	Ohio river.
	<i>Gouldianus</i> ? Ward.	
56	collinus Conrad.	N. river, Va.
56	complanatus Soland.	Maryland.
	<i>Mya complanata</i> Soland.	
	var. <i>U. violaceus</i> Spengler.	New Jersey.
	<i>purpureus</i> Say.	Yadkin river.
	<i>rarisulcata</i> Lam.	Lake Champlain.
	<i>curvata</i> Lam.	Virginia.
	<i>purpurascens</i> Lam.	New York.
	<i>rhombula</i> Lam.	Hudson river.
	<i>carinifera</i> Lam.	Connecticut.
	<i>Georgina</i> Lam.	Lake George.
	<i>glabrata</i> Lam.	Massachusetts.
	<i>sulcidens</i> Lam.	Connecticut.
	<i>fluvialilis</i> Green.	Pennsylvania.
	<i>Mya rigida</i> Wood.	Rhode Island.
57	compressus Lea.	New York.
	<i>Symphynota compressa</i> Lea.	
57	confertus Lea.	Santee canal, S. C.
57	Congareus Lea.	Congaree river.

Page.	Name.	Locality.
57	Unio Conradius Lea.	Tennessee.
	var.	Flint river.
57	constrictus Conrad.	Virginia.
57	Cooperianus Lea.	Ohio river.
	<i>U. striatus</i> Raf., Anthony.	
	var. <i>Obovaria pachostea</i> Raf., Per.	Kentucky.
57	cor Conrad.	Elk river.
	<i>U. mytiloides?</i> Raf. (young).	
57	cordatus Raf.	Cumberland river.
	<i>U. undatus</i> Barnes.	
	var. <i>U. trigonus</i> Lea.	
	<i>undulatus</i> Desh.	
57	costatus Raf.	Ohio river, Tennessee.
	<i>U. undulatus</i> Barnes.	
57	crassidens Lam.	Ohio river.
	<i>U. cuneatus</i> Barnes.	
	var. <i>U. niger</i> Raf.	Ohio river.
	<i>gibber</i> Lea.	Tennessee.
57	crassus Say.	Ohio river.
	<i>U. ellipticus</i> Barnes.	
	var. <i>U. ellipsarius</i> Raf.	
	<i>ligamentina</i> Lam.	
	<i>orbiculatus</i> Hild.	Scioto river.
	<i>Mya gravis</i> Wood.	Cincinnati.
	<i>U. cyclips</i> Raf.	Mississippi.
	<i>abruptus</i> Say.	
58	cuneolus Lea.	Holston river.
58	cylindricus Say.	Wabash river.
	var. <i>U. naviformis</i> Lam.	Ohio river.
	<i>solenoides?</i> Raf.	Muskingum river.
58	cyphus Raf.	Ohio river.
	<i>U. Esopus</i> Green.	
	var. <i>Obliquaria cyphia</i> Raf.	Falls of Ohio river.
58	decisus Lea.	Alabama river.
58	declivis Say.	Bayou Teche.
	var. <i>U. geometricus</i> Lea.	Louisiana.
58	delumbis Conrad.	Cooper river, S. C.
	<i>U. modioliformis</i> Lea.	
58	dilatatus Raf.	Upper Missouri.
	<i>U. gibbosus</i> Barnes.	
	var. <i>U. mucronatus</i> Barnes.	Ohio river.
	<i>nasuta</i> Lam.	Tennessee.
58	dolabræformis Lea.	Altamaha river.
58	dromas Lea.	Harpeth river.
58	var.	Elk river.

Page.	Name.	Locality.
58	Unio Edgarianus Lea.	Holston river.
59	exoultus Conrad.	New Orleans.
59	fasciatus Raf.	Scioto river, Kentucky.
	<i>U. carinatus</i> Barnes.	
59	fasciolaris Raf.	Ohio river.
	<i>U. phaseolus</i> Hild.	
	var. <i>U. planulatus</i> Lea.	Wabash river.
	<i>camelus</i> Lea.	
	<i>cuneatus</i> Hild.	
59	fasciolus Raf.	Ohio river.
	<i>U. multiradiatus</i> Lea.	
	var. <i>U. ligamentina</i> Desh.	
59	Fisherianus Lea.	Chester river.
59	flavus Raf.	Kentucky, Ohio river.
	<i>U. rubiginosus</i> Lea.	
59	flexuosus Raf.	Ohio river.
	<i>U. foliatus</i> Hild.	
59	folliculatus Lea.	Savannah river.
59	fragilis Raf.	Detroit river.
	<i>U. gracilis</i> Barnes.	
	var. <i>U. fragilis</i> Swains.	Fox river.
	<i>Symphynota gracilis</i> Lea.	Ohio river.
59	fragosus Conrad.	Scioto river.
59	fulvus Lea.	South Carolina.
	<i>U. icterinus</i> Conrad.	
59	gibbosus Raf.	Ohio river.
	var. <i>U. torulosus</i> Raf.	Scioto river.
	<i>perplexus</i> Lea.	Wabash river.
60	glans Lea.	Ohio river.
60	graniferus Lea.	Ohio river.
60	Griffithianus Lea.	South Carolina.
60	Haysianus Lea.	Cumberland river.
60	Hembell Conrad.	Louisiana.
60	heros Say.	Fox river.
	var. <i>U. multiplicatus</i> Lea.	Tennessee river.
	<i>undulatus</i> Say.	Wabash river.
60	heterodon Lea.	Schuylkill river.
60	Hildrethianus Lea.	Ohio river.
	<i>Alasmodonta ambigua</i> Say.	
60	Hopetonensis Lea.	Darien, Georgia.
60	Hydianus Lea.	Teche river, La.
60	incrassatus Lea.	Chattahoochee river.
60	inflatus Lea.	Alabama river.
	<i>Symphynota inflata</i> Lea.	
	var. <i>U. Alabamensis</i> Conrad.	

Page.	Name.	Locality.
60	Unio intermedius Conrad.	Nolachucky riv., Tenn.
60	interruptus Raf.	Elk river, Tenn.
	<i>U. brevidens</i> Lea.	
	var.	Ohio river.
60	Jayensis Lea.	Florida.
60	jejunus Lea.	Roanoke river.
60	Kirtlandianus Lea.	Mahoning river.
60	lanceolatus Lea.	Tar river, N. C.
60	lapillus Say.	Detroit & Ohio rivers.
	<i>U. fabalis</i> Lea.	
61	lata Raf.	Ohio river.
	<i>Anodonta lata</i> Raf.	
	var. <i>U. dehiscens</i> Say.	Wabash river.
	<i>oriens</i> Lea.	
61	latiradiatus Conrad.	Nashville, Tenn., Har-
	<i>U. interruptus</i> Lea.	peth river.
61	Leconteianus Lea.	Conochee river, Ga.
61	lenior Lea.	Stone's river, Tenn.
61	leptodon Raf.	Ohio river.
	<i>U. tenuissimus</i> Lea.	
	var. <i>U. planus</i> Barnes.	Wisconsin.
	<i>velum</i> Say.	Scioto river.
	<i>Anodonta purpurascens</i> Swains.	
61	lienosus Conrad.	Alabama.
61	lineolatus Raf.	Ohio river.
	<i>U. securis</i> Lea.	
	var. <i>U. depressus</i> Raf.	
61	luteolus Lam.	Mohawk river.
	var. <i>U. siliquoideus</i> Barnes.	Delaware river.
	<i>inflatus</i> Barnes.	Lake Erie.
62	Menkianus Lea.	Harpeth river.
62	metallicus Say.	Lake Chalco, Mexico.
	<i>U. cuprinus</i> Lea.	
62	metanever Raf.	Ohio river.
	<i>U. metanevrus</i> Conrad.	
	var. <i>U. nodosus</i> Barnes.	Wabash & Scioto riva.
62	monodontus Say.	Falls of Ohio.
	<i>U. soleniformis</i> Lea.	
62	Muhlfeldianus Lea.	Tennessee.
62	mytiloides Raf.	Ohio river.
	<i>U. pyramidatus</i> Lea.	
	var. <i>U. cardiacea</i> Say.	
62	Nashvillianus Lea.	Tennessee.
62	nasutus Say.	New York.
	var. <i>U. rostratus</i> Val.	

Page.	Name.	Locality.
62	Unio nervosus Raf.	Ohio.
	<i>U. Donaciformis</i> Lea.	
	var. <i>U. zigzag</i> Lea.	Falls of Ohio.
62	nexus Say.	Cumberland river.
	<i>U. Arcæformis</i> Lea.	
62	Nicklinianus Lea.	Mexico.
62	nitens Lea.	Long creek, Tenn.
62	nodulatus Raf.	Ohio river.
	<i>U. pustulatus</i> Lea.	
62	Novi-Eboraci Lea.	New York.
63	obesus Lea.	York river, Va.
63	obliquatus Raf.	Ohio.
	var. <i>U. ridibundis</i> Say.	Kentucky.
	<i>sulcatus</i> Lea.	
63	obliquus Lam.	Ohio river.
	<i>U. obovalis</i> Raf.	
	var. <i>U. ebenus</i> Lea.	
63	Ohioensis Raf.	Ohio river.
	<i>Anodonta Ohiensis</i> Raf.	
	var. <i>U. lævissimus</i> Lea.	
63	ochraceus Say.	Passaic river.
	var. <i>Symphynota ochracea</i> Lea.	New Jersey.
	<i>Mytilus fluviatilis</i> Gmelin.	Schuylkill river.
63	olivarius Raf.	Ohio river, Kentucky.
	var. <i>U. ellipsis</i> Lea.	Tennessee.
63	ovalis Flem.	Lake Champlain.
	<i>U. nodulosus</i> Lam., &c. &c.	
63	ovatus Say.	Ohio river.
	<i>U. ventricosus</i> Desh.	
	var. <i>U. subovatus</i> Desh.	
	<i>occidens</i> Desh.	
63	oviformis Conrad.	Tennessee.
63	paludicolor Gould.	Everglades, Fla.
63	papyracea Gould.	Miami river.
63	parvus Barnes.	Ohio and Fox rivers,
64	paulus Lea.	Georgia.
64	pectorosus Conrad.	Harpeth river.
	<i>U. perdix</i> Lea.	
64	personatus Say.	Wabash river.
	var. <i>U. capillaris</i> Lea.	Cumberland river.
	<i>pileus</i> Lea.	
64	pictus Lea.	Harpeth river.
64	pilaris Lea.	Tennessee.
64	planilateris Conrad.	Yadkin river.
64	plenus Lea.	Ohio river.

Page.	Name.	Locality.
64	Unio plicatus Say.	Ohio.
	<i>U. Peruviana</i> Lam.	
	var. <i>U. rariplicata</i> Lam.	St. Peter's river.
	<i>Dombeyanus</i> Valenc.	Ohio.
	<i>undulata</i> Desh.	
	<i>multiplicata</i> Desh.	
64	politus Say.	Ohio.
	<i>U. subrotundus</i> Lea.	
64	pullus Conrad.	Sawney's creek.
65	purpuratus Lam.	Mississippi.
	<i>U. ater</i> Lea.	
	var. <i>U. lugubris</i> Say.	Bayou Teche.
	<i>Poulsoni?</i> Conrad.	North Carolina.
	<i>ventricosus</i> Soland.	
65	purpuriatus Say.	Mexico.
	<i>U. Medellinus</i> Lea.	
65	quadrulus Raf.	Ohio river.
	<i>U. asperrimus</i> Lea.	
	var. <i>Obliquaria quadrula</i> Raf.	
	<i>U. rugosus</i> Barnes.	
	<i>lachrymosus</i> Lea.	
65	radiatus Lam.	Virginia.
	<i>U. Virginiana</i> Lam.	
	var. <i>Mya radiata</i> Gmelin.	Wisconsin.
	<i>oblongata</i> Wood.	Potomac.
65	Rangianus Lea.	Ohio river.
65	Ravenellianus Lea.	French Broad river.
	<i>U. rudis</i> Conrad.	
65	rectus Lam.	Ohio river.
	<i>U. latissima</i> Raf.	
	var. <i>U. praelongus</i> Barnes.	Lake Erie.
	<i>Sageri</i> Conrad.	Detroit river.
65	reflexus Raf.	Alabama & Ohio rivers.
	<i>U. cornutus</i> Barnes.	
65	retusus Lam.	Ohio river.
	var. <i>U. torsa</i> Raf.	Tennessee.
	<i>obtusa</i> Say, Desh.	Wabash river.
65	Roanokensis Lea.	Roanoke river.
65	rotundatus Lam.	Bayou Teche.
	<i>U. subglobosus</i> Lea.	
	var. <i>U. suborbiculata</i> Lam.	Louisiana.
	<i>glebulus</i> Say.	
66	Sayi Ward.	Kentucky.
	var. <i>U. declivis</i> Conrad.	Ohio, Alabama.
66	Shepardianus Lea.	Hopeton, Ga., Altamaha riv.

Page.	Name.	Locality.
66	Unio similis Lea.	Tennessee.
66	Sloatianus Lea.	Chattahoochie river.
66	solidus Lea.	Mahoning river.
66	Sowerbianus Lea.	Tenn., Cumberland river.
66	spinosus Lea.	Altamaha river, Hope- ton and Darien, Ga.
66	splendidus Lea.	Altamaha river.
66	stapes Lea.	Alabama river.
66	stegarius Raf.	Scioto and Ohio rivers.
	<i>U. irroratus</i> Lea.	
66	subinflatus Conrad.	Savannah river.
66	subplanus Conrad.	Virginia.
66	subrostratus Say.	New York.
	<i>U. iris</i> Lea.	
	var. <i>U. nebulosus</i> Conrad.	Alabama.
67	subrotundus Raf.	Ohio river.
	<i>U. circulus</i> Lea.	
	var. <i>U. lens</i> Lea.	Tennessee.
67	subtentus Say.	Tennessee, Alabama.
67	Tampicoensis Lea.	Tampico river.
67	Tappanianus Lea.	Juniata river.
	<i>U. viridis</i> Conrad.	
67	tenebrosus Conrad.	Virginia.
	<i>U. tenerus</i> Raf.	
67	teres Raf.	Mississippi & Wabash rivers.
	<i>U. anodontoides</i> Lea.	
67	tetralasmus Say.	Bayou St. John.
67	trapezoides Lea.	Lake St. Joseph.
	var. <i>U. interruptus</i> Say.	Louisiana.
67	triqueter Raf.	Falls of Ohio.
	<i>U. triangularis</i> Barnes.	
	var. <i>U. cuneatus</i> Swains.	
	<i>formosus</i> Lea.	
67	Troostensis Lea.	Cumberland river.
	<i>U. trabalis</i> Conrad.	
67	truncatus Raf.	Wabash river, Ohio.
	<i>U. elegans</i> Lea.	
67	tuberculatus Raf.	Harpeth river.
	<i>U. verrucosus</i> Barnes.	
	var. <i>U. tuberculosa</i> Val.	Ohio river.
67	turgidus Lea.	New Orleans.
	<i>U. Mortoni</i> Conrad.	
67	Vanuxemensis Lea.	Cumberland river.
68	venustus Lea.	Potosi, Missouri.

Page.	Name.	Locality.
68	Unio verrucosus Raf.	Ohio river.
	<i>U. tuberculatus</i> Barnes.	
68	Watereensis Lea.	Wateree canal.
	<i>U. Raveneli</i> Conrad.	
68	Zieglerianus Lea.	Cumberland river.
68	Margaritana arcuata Lea.	Altamaha river.
68	calceola Lea.	Ohio.
	<i>Unio calceolus</i> Lea.	
68	complanata Barnes.	Ohio river.
	<i>Symphynota complanata</i> Lea.	
	var. <i>Alasmodonta complanata</i> .	Tennessee.
68	confragosa Say.	Illinois.
	<i>Alasmodonta confragosa</i> Say.	
68	costata Raf.	Ohio.
	<i>Alasmodonta rugosa</i> Barnes.	
	var. <i>Alasmodonta abducta</i> Say.	Wabash river.
68	Curreyana Lea.	Stone's river.
68	deltoides Lea.	Scioto river.
68	margaritifera Linn.	Hudson river.
	<i>Alasmodonta arcuata</i> Barnes.	
69	marginata Say.	New York.
	<i>Alasmodonta marginata</i> Say.	
	var. <i>Alasmodonta truncata</i> Say.	New Jersey.
	<i>Unio cariosa</i> Lam. var. ?	Lake Erie.
	<i>varicosa</i> Lam.	Schuylkill river.
	<i>calceolus</i> Say.	
	<i>Mya regulosa</i> Wood.	Ohio river.
69	Ravenelliana Lea.	Swanano river.
69	undulata Say.	New York.
	<i>Alasmodonta undulata</i> Say.	
	var. <i>Alasmodonta sculptilis</i> Say.	Virginia.
	<i>Mya undulata</i> Wood.	
	<i>Unio hians</i> Valenc.	
	<i>glabratus</i> Sowerby.	New Jersey.
71	Anodonta Benedictensis Lea.	Lake Champlain.
	<i>Symphynota Benedictensis</i> Lea.	
71	Couperiana Lea.	Hopeton Ga.
71	cylindracea Lea.	Medellin river.
71	decora Lea.	Chillicothe.
71	edentula Say.	Ohio.
	<i>Alasmodonta edentula</i> Say.	
	var. <i>Alasmodonta areolatus</i> Swain.	Wabash river.
71	excuvata De Kay.	Passaic river.
	<i>A. fluvialis</i> ? Lea.	
71	ferruginea Lea.	Indiana.
71	Ferussaciana Lea.	Cincinnati.

Page.	Name.	Locality.
72	Anodonta fluviatilis Lea.	Hudson river.
	<i>Mytilus fluviatilis</i> Sol.	
	var. <i>Mytilus illitus</i> Sol.	New Jersey.
	<i>A. cataracta</i> Say.	New York.
	<i>marginata</i> Say.	Massachusetts.
	<i>implicata</i> Say.	Connecticut.
	<i>teres</i> Conrad.	South Carolina.
72	Footiana Lea.	Ohio.
72	gibbosa Say.	South Carolina.
72	gigantea Lea.	Port Gibson.
72	glauca Valenc.	Acapulco.
72	grandis Say.	Fox river.
	<i>A. corpulenta</i> Cooper.	
72	imbecilis Say.	Wabash river and Cin-
	<i>A. incerta</i> Lea.	cinnati.
72	Newtonensis Lea.	New Jersey.
72	Nuttalliana Lea.	Wahlamat river.
72	Oregonensis Lea.	Wahlamat river.
72	ovata Lea.	Marietta.
72	Pepiniana Lea.	Lake Pepin.
73	salmonia Lea.	Poland, Ohio.
73	Stewartiana Lea.	Louisiana.
73	subcylindracea Lea.	Oak Orchard cr., N. Y.
73	suborbiculata Say.	Illinois.
	var. <i>A. rotundatus</i> Swains.	Alton, Illinois.
73	undulata Say.	New York.
	<i>A. rugosus</i> Swains.	
	var. <i>A. Pennsylvanica</i> Lam.	Pennsylvania.
73	Wahlamatensis Lea.	Wahlamat river.
73	Wardiana Lea.	Ohio.
	<i>A. virgata</i> Conrad.	
Family Chamacea.		
74	Chama arcinella Linn.	Florida.
75	exogyra Conrad.	Upper California.
75	producta Brod.	Mexico.
Family Mytilacea.		
76	Modiola capax Conrad.	California.
76	ciceroula Müll.	Greenland.
	<i>Mytilus decussatus</i> Mont.	
76	discors Linn.	Greenland.
	<i>Mytilus discors</i> Linn.	
	<i>lævigata</i> Gray.	
	<i>Modiola discrepans</i> Lam.	

Page.	Name.	Locality.
76	Modiola dubia.	Greenland.
76	glandula Totten.	Massachusetts.
76	modiolus Linn. (var.)	United States.
	Modiola papuana Lam.	
	Mytilus modiolus Linn.	
	barbatus Linn.	
76	nexa Gould.	Massachusetts.
76	pectinula Gould.	Massachusetts.
77	plicatula Lam.	New York.
	Mytilus demissus Wood.	
	var. Modiola semicostata Conrad.	Massachusetts.
77	tulipa Lam.	United States.
77	Mytilus bifurcatus Conrad.	California.
77	Californianus Conrad.	California.
77	cubitus Say.	Charleston, S. Ca.
77	hamatus Say.	Mobile.
77	leucophantus Conrad.	Georgia.
78	Mytilimeria Nuttallii Conrad.	California.
78	Pinna muricata Linn.	South Carolina.
79	saccata Linn. (var.)	California.
	P. Nuttallii Conrad.	

ORDER UNIMUSCULOSA.

Family Pectinacea.

83	Lima sulcata Leach.	Greenland.
83	Pecten circularis Sowerby.	California.
84	dislocatus Say.	Florida.
85	Islandicus Chemn. (var.)	Greenland.
	var. P. Pealeii Conrad.	Massachusetts.
	Cinnabarina Dillw.	B'ks of Newfoundland.
85	irradians Lam.	New York, N. Jersey.
	P. turgidus Sowerby.	
	var. P. concentricus Say.	Connecticut.
85	lati-auratus Conrad.	California.
85	Magellanicus Gmelin.	Newfoundland, N. J.,
	P. tenuicostata Mighels.	Maine.
85	mesotimeris Conrad.	California.
88	Hinnites gigantea Gray (var.)	California.
	Ostrea gigantea Wood.	
	var. Hinnita Poulsoni Conrad.	
89	Spondylus longitudinalis Lam.	America.
89	pictorium Chemn.	West Mexico.
89	Exogyra costata.	New Jersey.

Family Ostracea.

Page.	Name.	Locality.
89	<i>Ostræa borealis</i> Lam.	N. Y., Mass., Conn.
	var. <i>Ostrea Canadensis</i> Brug.	New Jersey.
91	<i>Virginica</i> Gmelin.	Maryland, Virginia.
	<i>Ostrea Virginiana</i> List.	
91	<i>Gryphæa convexa</i> Say (fossil).	New Jersey.
92	<i>Anomia aculeata</i> Müll.	New York.
92	<i>ephippium</i> Linn.	New York.

CLASS BRACHIOPODA.

Family Tendinosa.

92	<i>Terebratula Californiana</i> Kwt.	California.
92	<i>caput-serpentis</i> Lam.	Maine.
	<i>T. costata</i> Lowe.	
	<i>aurita</i> Flem.	
	<i>pubescens</i> Müll.	
93	<i>psittacea</i> Lam.	Newfoundland.
93	<i>septentrionalis</i> Couth.	Maine.

CLASS GASTEROPODA.

ORDER HYDROBRANCHIATA.

95	<i>Eolis Bostoniensis</i> Couth.	Boston.
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ORDER CIRRHOBANCHIATA.

96	<i>Dentalium annulatum</i> Mighels.	Maine.
96	<i>entalis</i> Linn. (var.)	Maine.
96	<i>dentalis</i> Linn.	Boston.
	<i>D. attenuatum</i> Say.	

ORDER CYCLOBRANCHIATA.

97	<i>Chiton albolineatus</i> Brod.	Mazatlan.
97	<i>apiculatus</i> Say.	New York.
	<i>C. pectinatus</i> Gould, p. 98.	
97	<i>armatus</i> Nutt.	Upper California.
	<i>C. muscosus</i> Gould.	
97	<i>cinereus</i> Linn. (var.)	Greenland.
	<i>C. minimus</i> Chemn.	
	<i>cimex</i> Chemn.	
98	<i>Emersonianus</i> Couth.	Massachusetts bay.
	var. <i>C. vestitus</i> Sowerby.	Arctic ocean.

Page.	Name.	Locality.
98	Chiton fulminatus <i>Couth.</i>	Massachusetts bay.
	<i>C. lævigatus</i> <i>Flem.</i>	
	var. <i>C. latus</i> <i>Lowe.</i>	Northern Ocean.
98	<i>lævigatus</i> <i>Sowerby.</i>	California.
98	<i>Magdalenensis</i> <i>Hinds.</i>	California.
99	<i>scaber</i> <i>Reeve.</i>	Monterey, California.
100	Patella candida <i>Couth.</i>	Maine.
100	<i>cerea</i> <i>Müller.</i>	Greenland.
101	Patella diaphana <i>Nutt.</i>	Upper California.
101	<i>fenestrata</i> <i>Nutt.</i>	Upper California.
101	<i>lævigata</i> <i>Nutt.</i>	Upper California.
101	<i>leucophæa</i> <i>Gmelin.</i>	Upper California.
101	<i>mammillata</i> <i>Nutt.</i>	Upper California.
101	<i>Mazatlanica</i> <i>Sowerby.</i>	Mazatlan.
101	<i>monticolor</i> <i>Nutt.</i>	Upper California.
101	<i>Oregana</i> <i>Nutt.</i>	Upper California, Columbia river.
102	<i>pileata</i> <i>Nutt.</i>	Upper California.
102	<i>rubella</i> <i>Fabr.</i>	Greenland.
102	<i>spectrum</i> <i>Nutt.</i>	Upper California.
102	<i>strigillata</i> <i>Nutt.</i>	Upper California.
102	<i>tessellata</i> <i>Nutt.</i>	Upper California.
102	<i>umbonata</i> <i>Nutt.</i>	Upper California.

ORDER CERVICOBRANCHIATA.

Family Fissuracea.

103	Lottia alveus <i>Conrad.</i>	New York.
103	<i>scabra</i> <i>Nutt.</i>	Upper California.
103	<i>testudinalis</i> <i>Müll.</i>	Mass., Greenland.
	<i>Patella testudinalis</i> <i>Müll.</i>	
105	Fissurella alternata <i>Say.</i>	Maryland.
105	<i>crenulata</i> <i>Sowerby.</i>	Up. Calif., Monterey.
107	Cemoria Noachina <i>Linn.</i>	Maine, Greenland.
	<i>Patella Noachina</i> <i>Linn.</i>	
	<i>Fissurella Noachina</i> <i>Sowerby.</i>	

Family Capulacea.

107	Crepidula exuviata <i>Nutt.</i>	Upper California.
107	<i>fornicata</i> <i>Linn.</i>	New York.
107	<i>glaucia</i> <i>Say.</i>	Rhode Island.
107	Navicelloides <i>Nutt.</i>	Upper California.
107	<i>onyx</i> <i>Sowerby.</i>	Upper California.
	<i>C. rugosa</i> <i>Nutt.</i>	
107	<i>plana</i> <i>Say.</i>	New York.
108	Calyptræa striata <i>Say.</i>	Rhode Island.

Family **Macrostromata.**

Page.	Name.	Locality.
109	Sigaretus perspectivus Say.	South Carolina.
109	Haliotis Californiensis Swains.	California.
110	corrugata Gray.	California.
110	Cracherodii Leach.	California.
	<i>H. glaber</i> Schub.	
110	splendens Reeve.	California.

Family **Tubispiracea.**

111	Skenea serpuloides Flem.	Boston harbor.
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ORDER **PLEUROBRANCHIATA.**Family **Bullacea.**

112	Bulla canaliculata Say.	New Bedford.
113	debilis Gould.	Massachusetts bay.
113	Gouldii Couth.	Boston bay.
113	insculpta Totten.	New York.
113	obstricta Gould.	New Bedford.
113	oryza Totten.	New Bedford.
113	triflcea Couth.	Boston Bay.

ORDER **PULMOBRANCHIATA.**Family **Colimacea.**

119	Helix albolabris Say.	N. Y., Georgia, Ohio.
	<i>Tridopsis albolabris</i> Beck.	
119	alternata Say.	New York.
	<i>H. scabra</i> Lam.	
	var. <i>H. radiata</i> Gmelin.	Ohio.
	<i>Patula alternata</i> Held.	Tennessee.
	<i>Euryomphala alternata</i> Beck.	Massachusetts.
120	appressa Say.	New York.
	<i>Tridopsis appressa</i> Beck.	
	var. <i>Helicodonta linguifera</i> Fer.	Missouri.
120	arborea Say.	New York.
	<i>H. Ottonis</i> Pfr.	
	var. <i>Helicella arborea</i> Beck.	
121	areolata Sowerby.	Columbia river.
122	auriculata Say.	Florida.
	<i>Polygyra auriculata</i> Say.	
	var. <i>Helicodonta auriculata</i> Fer.	St. Augustine.
	<i>Daedalochila auriculata</i> Beck.	

Page.	Name.	Locality.
122	Helix avara Say. <i>Polygyra avara</i> Say. var. <i>Helicodonta avara</i> Fer. <i>H. Sayi</i> Wood. <i>auriculata</i> Binney. <i>Stenotrema avara</i> Raf. <i>Daedalochila avara</i> Beck.	Florida. Louisiana.
123	Berlanderiana Moric. <i>H. virginalis</i> Jan.	Texas.
125	Buffoniana Pfr.	Mexico.
125	Californiensis Lea. <i>H. Nickliniana</i> Lea.	Columbia riv., Califa
127	Carolinensis Lea. <i>H. palliata?</i> Say.	New York.
128	cellaria Müll. <i>H. glaphyra?</i> Say.	United States.
128	cereolus Mühlf. <i>H. septemvola</i> Fer. var. <i>H. planorbula</i> Lam. <i>polygyrata</i> Binney. <i>Polygyra septemvola</i> Say. <i>planorbula</i> Beck.	Florida.
129	chersona Say. <i>H. fulva</i> Drap.	Massachusetts.
131	clausa Raf. <i>Helicodonta clausa</i> Fer. var. <i>Helix infecta</i> Say. <i>Tridopsis clausa</i> Raf. <i>infecta</i> Beck. <i>Gonostoma clausum</i> Held.	Tennessee. Missouri. Carolina.
131	coactiliata Fer. <i>H. fasciata</i> Nyst.	Tabasco.
132	Columbiana Lea.	California.
132	conveza Raf. <i>H. hirsuta</i> Fer. var. a. <i>monodon</i> Rack., Binney. <i>fraterna</i> Say. <i>H. Leaii</i> Ward. <i>Stenotrema conveza</i> Raf. <i>Tridopsis conveza</i> Beck. <i>fraterna</i> Beck.	Ohio. Pennsylvania.
134	Cumberlandiana Lea.	Tennessee.
135	demissa Binney.	Alabama.
135	dentifera Binney.	Vermont.

Page.	Name.	Locality.
136	Helix diodonta Say. <i>H. Sayi</i> Binney.	Vermont.
137	Edgariana Lea. <i>Carocolla Edgariana</i> Lea.	Tennessee.
137	elevata Say. <i>Helicodonta Knoxvilleana</i> F. var. <i>Mesodon helicinum</i> Raf. <i>Tridopsis elevata</i> Beck.	Ohio. Tennessee.
138	fallax Say. var. <i>H. tridentata</i> Binney.	New York.
139	fidelis Gray. var. <i>H. Nuttalliana</i> Lea.	Columbia river. Oregon.
140	fuliginosa Griff. <i>H. capillacea</i> Pfr.	Ohio.
141	fulva Drap. (var.) <i>H. trochulus</i> Dillw. <i>trochilus</i> Flem. <i>nitidula</i> Alten. <i>chersina</i> Say. <i>Mandalisci</i> Bivon. <i>Conulus fulvus</i> Fitz. <i>Petasia trochiformis</i> Beck. <i>Polita fulva</i> Held. <i>H. Mortoni</i> Jeffr. <i>Alderii</i> Gray.	Massachusetts.
143	griseola Pfr. <i>H. cicercula</i> Fer. var. <i>H. splendidula</i> Ant. <i>Bradybaena pisum</i> Beck.	Mexico. Vera Cruz.
143	gularis Say. <i>Helicodonta gularis</i> Fer. var. <i>Sagda? gularis</i> Beck. <i>Helix suppressa</i> Say.	Ohio.
144	Hindsi Pfr.	Mexico.
144	hirsuta Say. <i>Helicodonta hirsuta</i> Fer. var. <i>Helix fraterna</i> Wood. <i>sinuata</i> y Gmelin. <i>Helix isognomostomos</i> Gmelin. <i>Tridopsis hirsuta</i> Beck. <i>Helix stenotrema</i> Fer.	New York. Pennsylvania. Massachusetts. Rhode Island. Connecticut. Indiana.
146	indentata Say.	New Jersey.
147	inornata Say.	South Carolina.
147	interna Say. <i>H. pomum-Adami</i> Green.	Ohio.

Page.	Name.	Locality.
147	Helix intertexta Binney.	Ohio.
148	labyrinthica Say. <i>Helicodonta labyrinthica</i> Fer.	New York.
149	laevigata Raf. <i>Helix inornata</i> Binney. var. <i>Helicella laevigata</i> Fer. <i>Mesomphix laevigata</i> Raf.	Ohio.
151	ligeri Say. <i>H. Wardiana</i> Lea. var. <i>H. Rafinesquea</i> Fer.	Ohio. Kentucky.
151	lineata Say. <i>Helicella lineata</i> Fer. var. <i>Euryomphala lineata</i> Beck.	New York. Massachusetts.
152	lucubrata Say.	Mexico.
153	major Binney. var. <i>H. albolabris</i> Fer.	Georgia.
155	minuscula Binney.	Ohio.
155	Mobiliana Lea.	Mobile.
155	multidentata Gould.	Vermont.
155	multilineata Say. <i>Helicogena multilineata</i> Fer. var. <i>Eurycratera multilineata</i> Beck.	Ohio. Vermont.
157	nemorialis Linn. (var.) <i>H. subglobosa</i> Binney.	Vermont.
159	obstricta Say. var. <i>H. denotata</i> Fer. <i>Carocolla helicoides</i> Lea.	Ohio. Kentucky.
160	Oregonensis Lea.	Oregon.
161	palliata Say. <i>Helix notata</i> Desh. var. <i>Helicodonta denotata</i> Fer. <i>Helix Caroliniensis</i> Lea. <i>Tridopsis palliata</i> Beck.	New York. Ohio. Vermont. Carolina.
162	Pennsylvanica Green. <i>H. clausa</i> Say.	Pennsylvania.
163	perspectiva Say. <i>Helicella perspectiva</i> Fer. var. <i>Helix patula</i> Desh. <i>Euryomphala perspectiva</i> Beck. <i>Patula perspectiva</i> Held.	New York.
165	planorboides Raf. <i>Helicella planorboides</i> Fer. var. <i>Mesomphix planorboides</i> Raf. <i>Helix concava</i> Say. <i>Circinaria planorboides</i> Beck.	Ohio. Illinois.

Page.	Name.	Locality.
167	Helix profunda Say. <i>Helicella Richardi</i> Fer. var. <i>Tridopsis Richardi</i> Beck.	Ohio.
167	pulchella Müll. (var.) <i>H. paludosa</i> Walk., Mont., &c. &c. <i>H. minuta</i> Say.	Ohio.
168	pura Alder. (var.) <i>Helix nitidula</i> ♂ Drap. <i>lenticula</i> Held. <i>electrina</i> Gould. <i>nitida</i> Bisso. <i>Helicella nitidosa</i> Beck. <i>Polita nitidosa</i> Held. <i>Zonites purus</i> Gray. <i>Helix striatula</i> Gray. <i>radiatula</i> Alder. <i>Zonites radiatulus</i> Gray. <i>Helix viridula</i> Menke. <i>clara</i> Held. <i>Helicella viridula</i> Beck. <i>Polita clara</i> Held.	Ohio.
169	pustula Fer. <i>Helicodonta pustula</i> Fer.	Texas.
173	Sayi Binney. <i>H. diodonta</i> Say.	Vermont.
176	solitaria Say. <i>Euryomphala solitaria</i> Beck.	Ohio.
176	spinosa Lea. <i>Carocolla spinosa</i> Lea.	Alabama.
177	striatella Anthony. <i>H. perspectiva</i> Fer.	Ohio.
178	subplana Binney.	New York.
180	Texasiana Moric. <i>H. triodonta</i> Jan. var. <i>H. fatigiata</i> Binney. <i>Polygyra plicata</i> Say. <i>Tridopsis tridonta</i> Beck. <i>Polygyra fatigiata</i> Say.	Texas. Alabama.
180	thyroides Say. <i>Helix thyroidus</i> Say. var. <i>Helicodonta thyroidus</i> Say. <i>Mesodon leucodon</i> Rafn. <i>Tridopsis thyroidus</i> Beck.	New York. Ohio.
180	Townsendiana Lea.	Wahlamat.

Page.	Name.	Locality.
181	Helix tridentata Say. <i>Helicodonta tridentata</i> Say. var. <i>Tridopsis lunula</i> Rafn., Beck. tridentata Beck.	New York. N. England, Canada. Pennsylvania. Tennessee.
182	Troostiana Lea. <i>Polygyra Troostiana</i> Lea.	California.
182	tudiculata Binney.	Oregon.
183	Vancouverensis Lea.	Mexico.
184	ventrosula Pfr.	New York.
186	zeleta Say. <i>H. albolabris</i> Fer.	Tennessee.
194	Bulimus dealbatus Say. <i>Helix dealbata</i> Say. var. <i>Bulimulus dealbatus</i> Beck. <i>Zebrina dealbata</i> Held.	Alabama.
196	fenestratus Pfr.	Mexico.
198	Gruneri Pfr.	Mexico.
198	Hegewischi Pfr.	Mexico.
201	Mexicanus Lam. <i>Cochlogena vittata</i> Fer. var. <i>Bulimulus Mexicanus</i> Beck.	Tabasco.
206	punctatissimus Less. (var.) <i>Clausilia exesa</i> Pot. et M. <i>Cochlodina exesa</i> Fer. <i>Auricula fuscagula</i> Lea. <i>Pupa septemPLICATA</i> Mühlf. ♀ <i>Odontostomus fuscagulus</i> , Beck. <i>Bulimus septemPLICATUS</i> Pfr.	Mexico.
208	rudis Anton.	Mexico.
208	Schledeanus Pfr. <i>B. xanthostomus</i> Wieg. var. <i>B. candidissimus</i> Nyst.	Mexico.
213	zebra Müll. <i>Buccinum zebra</i> Müll., &c. &c.	Mexico.
218	Achatina fasciata Müll. <i>Buccinum fasciatum</i> Müll., &c. &c.	Florida.
219	lubrica Müll. <i>Helix lubrica</i> Müll., &c. &c.	Massachusetts.
221	Rangiana Pfr.	Mexico.
222	trochlea Pfr.	Mexico.
222	truncata Gmel. <i>Bulla truncata</i> Gmel. <i>Buccinum striatum</i> Chemn. <i>Bulimus striatus</i> Brug.	Florida, &c.

Page.	Name.	Locality.
	<i>Cochlicopa rosea</i> Fer.	
	<i>Achatina rosea</i> Desh.	
	<i>striata</i> Lam.	
	<i>Polyphemus glans</i> Say.	
	<i>Glandina truncata</i> Say.	
223	<i>Achatina virginea</i> Linn.	Florida, &c.
	<i>Bulla Virginea</i> Linn., &c. &c.	
224	<i>Pupa armifera</i> Say.	Ohio.
	<i>P. armigera</i> Pot. et M.	
	var. <i>P. rupicola</i> Pfr.	
225	<i>contracta</i> Say.	New York.
225	<i>corticaria</i> Say.	Ohio.
	<i>Odostomia corticaria</i> Say.	
226	<i>fallax</i> Say.	New York.
	<i>P. albolabris</i> Ward.	
	var. <i>P. simplex</i> Binney.	Massachusetts.
	<i>Cyclostoma marginatum</i> Say.	
	<i>P. placida</i> Say.	
227	<i>Gouldii</i> Binney.	New York.
228	<i>millium</i> Gould.	Vermont.
229	<i>muscorum</i> Linn. (var.)	New York.
	<i>Turbo muscorum</i> Linn., &c.	
	<i>P. badia</i> Adams.	
230	<i>ovata</i> Say.	New York.
	<i>Vertigo ovata</i> Say.	
	var. <i>P. modesta</i> Say.	
	<i>P. ovulum</i> Pfr.	
230	<i>pentodon</i> Say.	New York.
	<i>Vertigo pentodon</i> Say.	
	var. <i>P. Tappaniana</i> Ward.	Vermont.
	<i>curvidens</i> Gould.	Ohio.
231	<i>rupicola</i> Say.	S. Carolina, Florida.
232	<i>simplex</i> Gould.	Massachusetts.
235	<i>Cylindrella Goldfussi</i> Menke.	Texas.
235	<i>Liebmanni</i> Pfr.	Mexico.
250	<i>Succinea avara</i> Say.	New York.
	var. <i>S. vermeta</i> Say.	
250	<i>campestris</i> Say.	New York.
	<i>Cochlohydra campestris</i> Fer.	
250	<i>Grœnlandica</i> Beck.	Greenland.
250	<i>inflata</i> Lea.	Carolina.
250	<i>Oregonensis</i> Lea.	Oregon.
250	<i>ovalis</i> Say.	New York.
	var. <i>Cochlohydra ovalis</i> Fer.	Ohio.

Family Cyclostomacea.

Page.	Name.	Locality.
255	<i>Cyclostoma dentatum</i> Say.	Florida.
257	<i>Mexicanum</i> Menke. (<i>Aperostoma</i>) Troschel.	Mexico.
259	<i>Sayanum</i> Anthony.	Ohio.
262	<i>Helicina occulta</i> Say.	Indiana.
262	<i>orbiculata</i> Say. <i>Polygyra orbiculata</i> Say.	East Florida.

Family Auriculacea.

263	<i>Caryophilum exiguum</i> Say. <i>Pupa exigua</i> Say.	Vermont.
264	<i>Auricula bidentata</i> Say. <i>Auricula cornea</i> Desh. var. <i>Melampus bidentatus</i> Say.	New York. Massachusetts.
264	<i>denticulata</i> Mont. (var.) <i>Actæon denticulatus</i> Flem. <i>Jaminea denticulata</i> Leach. <i>Conovulus denticulatus</i> Gray. <i>Auricula myosotis</i> Jeffr.	Massachusetts.
265	<i>Sayi</i> Kust.	New Jersey.

Family Lymnæadæ.

267	<i>Planorbis albus</i> Müll. (var.) <i>Helix alba</i> Gmel. <i>P. villosa</i> Poir. <i>albus</i> Turton. <i>hirsutus</i> Gould.	Massachusetts.
267	<i>armigerus</i> Say.	New York.
267	<i>bicarinatus</i> Say. var. <i>P. engonatus</i> Conrad.	New York. Georgia.
267	<i>campanulatus</i> Say.	New York.
267	<i>corpulentus</i> Say.	Winnipeck river.
267	<i>deflectus</i> Say. var. <i>P. virens</i> Adams.	Ohio. Vermont.
267	<i>dilatatus</i> Gould.	Massachusetts.
267	<i>exacutus</i> Say.	New York.
267	<i>lentus</i> Say.	South Carolina.
268	<i>parvus</i> Say. var. <i>P. elevatus</i> Adams. <i>concavus</i> Anthony.	New York. Vermont. Ohio.
268	<i>trivolvus</i> Say. var. <i>P. regularis</i> Lea. <i>fallax</i> Say.	New York. New England. New Jersey.

Page.	Name.	Locality.
268	Lymnæa appressa Say.	Vermont.
268	attenuata Say.	Mexico.
268	caperata Say.	Ohio.
	var. <i>L. umbilicata</i> Adams.	New Bedford.
268	catascopium Say.	New York.
	<i>L. emarginata</i> Say.	
	var. <i>L. Virgineana</i> Lam.	Virginia.
	<i>cornea</i> Val.	
	<i>pinguis</i> Say.	Wisconsin.
	<i>derollata</i> Mighels.	Unity, Maine.
269	columella Say.	Massachusetts.
	var. <i>L. acuminata</i> Adams.	Woburn.
	<i>chalybea</i> Gould.	Cambridge.
	<i>coarctata</i> Lea.	Rhode Island.
	<i>macrostoma</i> Say.	Cayuga lake, N. Y.
269	desidiosa Say.	New York.
	var. <i>L. acuta</i> Lea.	Massachusetts.
	<i>Philadelphica</i> Lea.	Pennsylvania.
269	elodes Say.	New York.
269	elongata Say.	New York.
	<i>L. umbrosa</i> Say.	
269	expansa Hald.	Vermont.
269	ferruginea Hald.	Oregon.
269	fragilis Linn. (var.)	New York.
	<i>L. palustris</i> Dr.	
	<i>L. speciosa</i> Ziegl.	
	var. <i>L. corvus</i> Parr.	
269	gracilis Jay.	Vermont.
	<i>Acella gracilis</i> Hald.	
269	Grœnlandica.	Greenland.
269	humilis Say.	New York.
	var. <i>L. modicella</i> Say.	Maine.
	<i>parva?</i> Lea.	Ohio.
269	jugularis Say.	New York.
270	Lindsleyi De Kay.	Connecticut.
270	megasoma Say.	N. W. Territory.
270	Nuttalliana Lea.	Oregon.
270	obrusa Say.	Philadelphia.
270	pallida Adams.	Lake Champlain.
270	reflexa Say.	New York.
	var. <i>L. exilis</i> Lea.	Ohio.
270	solida Lea.	Oregon.
271	umbrosa Say.	New York.
	var. <i>L. elongata</i> Say.	Connecticut.

Page.	Name.	Locality.
271	Lymnæa Vahlîi Beck.	Greenland.
	<i>Limnophysa Vahlîi Beck.</i>	
271	Physa ancillaria Say.	Pennsylvania.
	var. <i>P. Sayi</i> Tappan.	Ohio.
271	distorta Hald.	St. Louis.
271	fragilis Mighels.	Maine.
271	gyrina Say.	Ohio.
	var. <i>P. elliptica</i> Lea.	Indiana.
271	heterostropha Say.	New York.
	var. <i>P. aurea</i> Lea.	Virginia.
271	hypnorum Linn. (var.)	New York.
	<i>P. elongata</i> Say.	
271	obesa De Kay.	Mohawk river.
271	osculans Hald.	Mexico.
271	scalaris Jay.	Florida.
272	Ancylus diaphanus Hald.	Ohio.
272	fuscus Adams.	Massachusetts.
272	obscurus Hald.	Tennessee.
272	parallelus Hald.	New England.
272	rivularis Say.	Pennsylvania.
272	tardus Say.	Vermont.

ORDER PECTINIBRANCHIATA.

Family Melaniana.

272	Melania aequalis Hald.	Nolachucky river.
272	altilis Lea.	Susquehannah river.
272	alveare Conrad.	Tennessee.
272	annulifera Conrad.	Alabama.
272	approxima Hald.	Tennessee.
272	armigera Say.	Tennessee.
273	bella-orennata Hald.	Alabama.
273	Boykiniana Lea.	Georgia.
273	Buddii Lea.	Tennessee.
273	caliginosa Lea.	Tennessee.
273	canaliculata Say.	Ohio.
273	catenaria Say.	South Carolina.
273	catenoides Lea.	Georgia.
273	Cincinnatiensis Lea.	Ohio.
273	claviformis Lea.	Tennessee.
273	comma Conrad.	Alabama.
273	congesta Conrad.	Alabama.
273	conica Say.	Ohio.
273	costulata Lea.	Tennessee.

Page.	Name.	Locality.
273	Melania crebricoostata Lea.	Tennessee.
273	depygis Say.	Ohio.
273	dubiosa Lea.	Alabama.
273	Duttoniana Lea.	Tennessee.
273	ebenum Lea.	Tennessee.
273	Edgariana Lea.	Tennessee.
273	elevata Say.	Ohio.
273	excisa Lea.	Alabama.
	(<i>Schizostoma</i>) Lea.	
273	excurata Conrad.	Tennessee.
273	exilis Hald.	Ohio.
	var. <i>M. Kirglandiana</i> Lea.	Indiana.
273	gracilis Anthony.	Ohio.
273	Haysiana Lea.	Alabama.
273	Hydei Conrad.	Alabama.
274	impressa Lea.	Alabama.
274	incisa Lea.	Alabama.
	<i>Anculotus incisus</i> Lea.	
274	interrupta Hald.	Tennessee.
274	Jayana Lea.	Tennessee.
274	læta Jay.	Alabama.
	var. <i>M. robusta</i> Lea.	Coosa river.
274	laqueata Say.	Tennessee.
274	Le Contiana Lea.	Georgia.
274	lima Conrad.	Alabama.
274	livescens Menke.	Lake Erie.
	var. <i>M. Niagarensis</i> Lea.	Niagara.
274	multilineata Say.	Virginia.
	<i>M. Virginica?</i> Say.	
274	nassula Conrad.	Alabama.
274	nupera Say.	Indiana.
	<i>Melanopsis semigranulosa</i> .	
274	occidentalis Lea.	Ohio.
274	olivula Conrad.	Alabama.
274	Pagoda Lea.	Tuscaloosa.
	(<i>Schizostoma</i>) Lea.	
274	perfusca Lea.	Tennessee.
274	plicatula Lea.	Tennessee.
274	plicifera Lea.	Wahlamat river.
274	prasinata Conrad.	Alabama.
274	proxima Say.	South Carolina.
	var. <i>M. carinata</i> Rav.	North Carolina.
274	regularis Lea.	Tennessee.
274	Rogersii Conrad.	Alabama.

Page.	Name.	Locality.
274	Melania salebrosa Conrad.	Tennessee.
274	<i>Sayli</i> Ward.	Ohio.
275	<i>semicarinata</i> Say.	Ohio.
275	simplex Say.	Virginia.
275	sordida Lea.	Tennessee.
275	<i>striatula</i> Lea.	Tennessee.
275	<i>Stygia</i> Say.	Cumberland river.
275	<i>subularis</i> Lea.	Niagara.
275	<i>suturalis</i> Hald.	Ohio.
275	<i>symmetrica</i> Hald.	Virginia.
275	<i>Taitiana</i> Lea.	Alabama.
275	<i>teres</i> Lea.	Tennessee.
275	<i>Troostiana</i> Lea.	Tennessee.
275	<i>tuberculata</i> Lea.	Tennessee.
275	<i>uncialis</i> Hald.	Tennessee.
275	<i>undulata</i> Say.	Ohio.
275	varicosa Ward.	Ohio.
275	<i>venusta</i> Lea.	Tennessee.
275	<i>Virginica</i> Say.	Virginia.
276	Anculotus angulatus Conrad.	Alabama.
276	<i>carinatus</i> De Kay.	Lake Champlain.
276	<i>crassus</i> Hald.	Tennessee.
276	<i>dissimilis</i> Say.	Pittsburg.
	<i>Paludina dissimilis</i> Say.	
276	<i>geniculatus</i> Hald.	East Tennessee.
	<i>Lithasia geniculata</i> Hald.	
276	<i>integer</i> Say.	Ohio.
	var. <i>A. concolor</i> Anthony.	Indiana.
276	Kirtlandianus Anthony.	Ohio.
276	<i>monodontoides</i> Conrad.	Virginia.
	var. <i>A. dentatus</i> Couth.	Potomac river.
276	<i>nigrescens</i> Conrad.	Maryland.
276	obovatus Say.	Alabama.
	<i>Melania obovata</i> Say.	
276	<i>pictus</i> Conrad.	Alabama.
276	<i>plicatus</i> Conrad.	Alabama.
276	<i>prærosus</i> Say.	Ohio.
	var. <i>A. virgatus</i> Lea.	Tennessee.
276	<i>rubiginosus</i> Lea.	Alabama.
276	<i>subglobosus</i> Say.	Virginia.
	<i>Melania subglobosus</i> Say.	
276	tseniatius Conrad.	Alabama.
276	trilineatus Say.	Falls of Ohio.
	var. <i>A. costatus</i> Anthony.	Ohio river.

Page.	Name.	Locality.
277	<i>Io fusiformis</i> Lea.	Tennessee.
277	<i>spinosa</i> Lea.	Tennessee.
Family Peristomata.		
278	<i>Valvata pupoidea</i> Gould.	Boston.
278	<i>sincera</i> Say.	Lake Champlain.
278	<i>tricarinata</i> Say.	New York.
	var. <i>V. unicarinata</i> De Kay.	Boston.
	<i>carinata</i> Sowerby.	
278	<i>Amnicola attenuata</i> Hald.	Virginia.
278	<i>Cincinnatiensis</i> Lea.	Ohio.
	<i>Cyclostoma Cincinnatiense</i> .	
278	<i>elongata</i> .	Virginia.
278	<i>grana</i> Say.	Ohio.
	<i>Paludina grana</i> Say.	
278	<i>isogona</i> Say.	Ohio.
	<i>Melania isogona</i> Say.	
278	<i>lapidaria</i> Say.	Ohio.
	<i>Cyclostoma lapidaria</i> Say.	
278	<i>limosa</i> Say.	Ohio.
	<i>Paludina limosa</i> Say.	
278	<i>lustrica</i> Say.	Vermont.
	<i>Paludina lustrica</i> Say.	
278	<i>pallida</i> Hald.	Vermont.
278	<i>porata</i> Say.	Ohio.
	<i>Paludina porata</i> Say.	
278	<i>Sayana</i> Anthony.	Ohio.
279	<i>Paludina altalis</i> Rav.	Santee canal.
279	<i>angulata</i> Lea.	Alabama.
279	<i>Coosaensis</i> Lea.	Alabama.
279	<i>cyclostomatiformis</i> Lea.	Alabama.
279	<i>decisa</i> Say.	New York, Ohio.
279	<i>genicula</i> Conrad.	Georgia.
280	<i>Georgiana</i> Lea.	Georgia.
280	<i>heterostropha</i> Anthony.	Ohio.
280	<i>integra</i> Say.	Ohio.
280	<i>intertexta</i> Say.	Louisiana.
280	<i>magnifica</i> Conrad.	Georgia.
	var. <i>P. bimonilifera</i> Lea.	Alabama.
280	<i>Nuttalliana</i> Lea.	Wahlamat.
280	<i>ponderosa</i> Say.	Ohio, Alabama.
280	<i>subcarinata</i> Say.	Ohio.
281	<i>subglobosa</i> Say.	N. W. Territory.
281	<i>subpurpurea</i> Say.	Illinois.

Page.	Name.	Locality.
282	Ampullaria depressa Say. var. <i>A. Hopetonensis</i> Lea. paludosa Say.	East Florida. Georgia.
283	scalaris D'Orb.	Mexico.
283	urceus Müll. Nerita urceus Müll. var. <i>Bulimus urceus</i> Brug. <i>A. rugosa</i> Lam.	Mexico. Mississippi.
Family Neritacea.		
288	Neritina reclinata Say. <i>N. macrostoma</i> D'Orb. var. <i>N. Floridana</i> ? Shuttl.	Mexico. Vera Cruz.
289	Nerita Deshayesi Recluz.	California.
291	Natica canaliculata Gould.	B'ks of Newfoundland.
291	clausa Sowerby. <i>N. borealis</i> Beck. var. <i>N. consolidata</i> Couth.	Melville Island.
291	cornea Möll. <i>N. fragilis</i> Sab.	New York. Greenland.
292	duplicata Say.	New York.
292	flava Gould. (<i>Globulus</i>) Sowerby.	B'ks of Newfoundland.
292	Grænlandica Beck.	Greenland.
292	heros Say.	New York.
292	immaculata Totten.	Rhode Island.
292	Lewisii Gould.	Puget Sound.
293	otis Sowerby.	Mazatlan.
293	pusilla Say. <i>N. alba</i> Loven. var. <i>N. Grænlandica</i> Beck.	New York.
293	triseriata Say.	New York.
Family Velutiniidæ.		
294	Velutina lævigata Linn. <i>Helix lævigata</i> Linn. var. <i>V. capuloidea</i> Blain. rupicola Conrad. <i>Galericulus lævigatus</i> Brown. <i>Velutina plicaria</i> ?	Boston bay. Massachusetts.
294	sonata Gould.	Greenland. Boston bay.
Family Plicacea.		
296	Tornatella puncto-striata Adams.	New York.

Family Turbinacea.

Page.	Name.	Locality.
299	<i>Pyramis striatula</i> Couth.	Massachusetts.
299	<i>Cingula aculeus</i> Gould.	Boston.
299	<i>latior</i> Mighels.	Casco bay.
299	<i>minuta</i> Totten.	New Bedford.
	<i>Turbo minutus</i> Totten.	
299	<i>Odostomia exigua</i> Couth.	Boston.
	<i>Jaminia exigua</i> Couth.	
	var. <i>Rissoa rupestris</i> Forbes.	
	<i>Turitella bisuturalis</i> ? Say.	
299	<i>fusca</i> Adams.	New Bedford.
	<i>Pyramis fusca</i> Adams.	
	var. <i>Jaminia fusca</i> Adams.	
299	<i>seminuda</i> Adams.	Cape Cod.
	<i>Jaminia seminuda</i> Adams.	
299	<i>trifida</i> Totten.	Rhode Island.
	<i>Acteon trifidus</i> Totten.	
300	<i>Scalaria Grœnlandica</i> Chemn.	B'ks of Newfoundland.
	<i>Turbo clathrus Grœnlandicus</i> .	
	var. <i>S. planicosta</i> Kiener.	Massachusetts bay.
	<i>subulata</i> Couth.	Greenland.
300	<i>hexagona</i> Sowerby.	Acapulco.
300	<i>lineata</i> Say.	New York.
300	<i>multistriata</i> Say.	South Carolina.
	<i>S. pulchella</i> Bivon.	
300	<i>Nov.-Angliæ</i> Couth.	Cape Ann.
302	<i>Solarium placentale</i> Hinds.	California.
305	<i>Trochus moestus</i> Jonas.	California.
307	<i>undosus</i> Wood.	California.
	var. <i>T. Californianus</i> Nutt.	
307	<i>unguis</i> Wood.	Acapulco.
	<i>T. digitatus</i> Desh.	
307	<i>Margarita arctica</i> Leach.	Plymouth, Mass.
	<i>Turbo inflatus</i> Totten.	
307	<i>argentata</i> Gould.	Cape Ann.
307	<i>cinerea</i> Couth.	Massachusetts bay.
	<i>Turbo cinereus</i> Couth.	
307	<i>expansa</i> Sowerby.	Arctic Sea.
307	<i>glabrata</i> .	Greenland.
307	<i>glaciæ</i> Möll.	Greenland.
307	<i>Grœnlandica</i> Beck.	Greenland.
307	<i>obscura</i> Couth.	Massachusetts bay.
	<i>Turbo obscurus</i> Couth.	
307	<i>septentrionalis</i> .	Greenland.

Page.	Name.	Locality.
307	Margarita undulata Sowerby. <i>Turbo incarnatus</i> Conth.	Massachusetts bay.
308	Turbo Fokkesii Jonas. <i>Marmorostoma planospira</i> Jay. var. <i>Turbo fluctuatus</i> Reeve.	Mazatlan. Columbia.
310	Littorina irrorata Say. <i>Phasianella sulcata</i> Lam.	New York, Florida.
311	palliata Say. <i>Turbo palliatus</i> Say.	New York.
311	Sitchana Phil.	Isl. Sitcha.
311	tenebrosa Mont. <i>Turbo vestitus</i> Say.	New York.
311	Lacuna divaricata.	Greenland.
311	fusca Binney. var. <i>Lacuna vineta?</i> Mont.	Boston.
311	Neritoidea Gould.	Boston bay.
312	vinota Mont. (var.) <i>L. pertusa</i> Conrad. var. <i>Turbo quadrifasciatus</i> Flem.	Plymouth, Mass.
313	Turritella erosa Couth.	Boston bay.
313	interrupta Totten.	Rhode Island.
313	polaris Beck.	Greenland.
313	reticulata Mighels.	Gulf of St. Lawrence.

Family Canalifera.

314	Cerithium Emersonii Adams.	New Bedford.
314	ferrugineum Say.	South Carolina.
314	Greenii Adams.	Cape Cod.
315	muscarum Say. <i>C. stercus-muscarum.</i>	Florida.
315	nigro-cinctum Adams.	New Bedford.
316	Sayi Menke. <i>C. reticulatum</i> Totten.	New Bedford.
316	terebrale Adams.	New Bedford.
318	Turbinella scolymus Gmelin (var.) (<i>Latirus</i>) Montf.	Gulf of Mexico.
319	Cancellaria Couthouyi Jay. <i>C. buccinoides</i> Couth.	Massachusetts bay.
320	urceolata Hinds.	California.
320	viridula Fab. <i>Defrancia viridula.</i>	Greenland.
320	Fasciolaria ligata Mighels.	Gulf of St. Lawrence.
321	tulipa Linn. (var.)	Gulf of Mexico.

Page.	Name.	Locality.
321	Fusus carinatus Pennant.	Greenland.
	<i>Murex carinatus</i> Pennant.	
	var. <i>Murex fornicatus</i> Dillwyn.	North Sea.
321	corneus Linn. (var.)	B'ks of Newfoundland.
	<i>Murex corneus</i> Linn.	
321	corona Gmelin.	Gulf of Mexico.
	<i>Murex corona</i> Gmelin.	
321	decemcostatus Say.	Massachusetts bay.
322	Dupetit-Thouarsii Kiener.	California.
322	harpularius Couth.	Massachusetts bay.
322	muriceatus Mont.	Massachusetts bay.
	<i>Murex muricatus</i> Mont.	
322	scalariformis Gould.	B'ks of Newfoundland.
323	tornatus Gould.	B'ks of Newfoundland.
323	turriculus Mont.	B'ks of Newfoundland.
	<i>Murex turriculus</i> Mont.	
	var. <i>Pleurotoma turricula</i> Reeve.	
	<i>Murex angulatus</i> Donovan.	
323	ventricosus Gray.	B'ks of Newfoundland.
	<i>F. ocelliferus</i> Encycl. M.	
323	Trophon clathratum Fab.	Greenland.
	<i>Tritonium clathratum</i> Fab.	
323	craticulatum Fab.	B'ks of Newfoundland.
	<i>Tritonium craticulatum</i> Fab.	
	var. <i>Trophon Fabricii</i> Beck.	
323	Defrancia cinerea Möll.	Greenland.
324	exarata Möll.	Greenland.
324	livida Möll.	Greenland.
324	reticulata Möll.	Greenland.
324	Vahlhi Beck.	Greenland.
324	viridula Fab.	Greenland.
	<i>Tritonium viridula</i> Fab.	
324	Daphnella decussata Couth.	Maine.
326	Pleurotoma funiculata Valenc.	Gulf of California.
327	plicosa Adams.	New Bedford.
	<i>P. plicata</i> Adams.	
328	violacea Adams.	Maine.
328	Pyrula aruana Linn.	New York.
	<i>P. carica</i> Lam.	
	var. <i>Murex aruanus</i> Linn.	South Carolina.
328	canaliculata Linn.	New York.
	<i>Murex canaliculatus</i> Linn.	
	var. <i>P. spirata</i> Kien.	Rye, Vineyard.
329	perversa Linn.	Key West.
	<i>Murex perversus</i> Linn.	

Page.	Name.	Locality.
329	<i>Pyrula pyrum</i> Dillwyn. <i>P. spirata</i> Lam. var. <i>Fulgur pyruloides</i> Say.	Florida.
330	<i>Murex bicolor</i> Val. <i>M. erythrostomus</i> Swains. var. <i>M. regius</i> Schub. et Wagn.	Gulf of California.
330	<i>brassica</i> Lam. <i>M. ducalis</i> Brod.	Mazatlan. Gulf Calif'a, Mazatlan.
330	<i>chrysostomus</i> Gray.	Gulf of Mexico.
331	<i>elongatus</i> Lam.	Gulf of Mexico.
331	<i>foliatus</i> Gmelin.	California.
331	<i>imperialis</i> Swain. (var.)	California.
332	<i>Nuttallii</i> Conrad. <i>Cerostoma Nuttallii</i> Conrad.	California.
333	<i>spinlocostata</i> Val.	Gulf of Mexico.
334	<i>trilineatus</i> Reeve.	Gulf of Mexico.
334	<i>Ficula decussata</i> Wood.	San Blas.
335	<i>papyratia</i> Say. <i>Pyrula papyratia</i> Say.	Florida.
335	<i>Ranella caudata</i> Say.	New York.
336	<i>triquetra</i> Reeve.	California.
Family Alata.		
339	<i>Aporrhais occidentalis</i> Beck. <i>A. occidentalis</i> Sowerby.	Grand Bank.
342	<i>Strombus galeatus</i> Wood. (var.)	California.
342	<i>gracillior</i> Wood.	California.
Family Purpurifera.		
346	<i>Ricinus dumosa</i> Conrad. <i>R. porphyrostoma</i> Reeve.	California.
347	<i>Columbella avara</i> Say.	New York.
348	<i>carinata</i> Hinds.	California.
348	<i>hæmastoma</i> Sowerby (var.)	California.
349	<i>lunata</i> Say. <i>Nassa lunata</i> Say.	Massachusetts.
351	<i>Purpura aperta</i> Blain. (var.) <i>P. macrostoma</i> Conrad.	California.
352	<i>emarginata</i> Desh. <i>P. Conradi</i> Nutt.	California.
352	<i>Floridana</i> Conrad.	Tampa bay.
352	<i>harpa</i> Conrad.	California.
353	<i>lapillus</i> Linn. (var.) <i>Buccinum filiosum</i> Gmelin. var. <i>P. imbricata</i> Lam.	Massachusetts. Maine.

Page.	Name.	Locality.
354	Monoceros brevidens Conrad.	California.
355	lugubre Sowerby.	California.
	<i>M. cymatum</i> Sowerby.	
355	punctatum Gray.	Santa Barbara.
	<i>Purpura lapilloides</i> Conrad.	
355	unicarinatum Sowb. (var.)	Santa Barbara.
	<i>Purpura engonata</i> Conrad.	
356	Harpa orenata Swain. (var.)	Mexico.
	<i>H. testudinalis</i> .	
	var. <i>H. Rivoliana</i> Less.	
	<i>Mexicana</i> .	
358	Trichotropis borealis Sowerby.	Newfoundland.
	<i>T. costellatus</i> Couth.	
358	Bullia armata Gray.	Newfoundland.
	<i>Buccinum moniliferum</i> Kien.	
359	Buccinum calcareum .	Newfoundland.
359	ciliatum Fabr.	Newfoundland.
	<i>Tritonium ciliatum</i> Fabr.	
	var. <i>B. ventricosum</i> Kien.	
360	cyaneum Beck.	Greenland.
360	Donovani Gray.	Newfoundland.
361	Möllerii Reeve.	Greenland.
362	plicosum Menke.	New York.
	<i>Fusus cinereus</i> Say.	
362	pristis Dsh.	California.
	<i>B. serratum</i> Kien.	
	var. <i>B. Northii</i> .	
362	pusio Linn.	California.
	<i>B. plumatum</i> Gmelin.	
	var. <i>Fusus pusio</i> Encycl.	
	<i>articulatus</i> Lam.	
363	undatum Linn. (var.)	Grand Banks.
	<i>Tritonium undatum</i> Müll.	
	<i>B. striatum</i> Pennant.	
	var. <i>B. solutum</i> Dillwyn.	Massachusetts.
	<i>Cochlea marina</i> Belon.	Cape Cod.
364	Nassa obsoleta Say.	New York.
	<i>Buccinum oliviforme</i> Kien.	
365	trivittata Say.	New York.
365	vibex Say.	South Carolina.
369	Oliva litterata Lam.	Florida.
369	mutioa Say.	South Carolina.
370	polpasta Duclos.	California.
373	Terebra rudis Gray.	South Carolina.
	<i>T. Petitii</i> Kiener.	

Page.	Name.	Locality.
373	Terebra specillata <i>Hinds.</i>	San Blas.
373	variegata <i>Gray.</i>	Gulf of California.
	<i>T. Africana</i> <i>Gray.</i>	

Family Columellata.

374	Marginella carnea <i>Storer.</i>	Key West.
375	Storeria <i>Couth.</i>	Gulf of Mexico.
378	Mitra Groenlandica <i>Gray.</i>	Greenland.
383	Voluta Junonia <i>Chemn.</i>	Gulf of Mexico.

Family Convoluta.

387	Cypræa albuginosa <i>Mawe.</i>	California.
387	Arabica <i>Linn. (var.)</i>	California.
	<i>C. eglantina</i> <i>Duclos, &c. &c.</i>	
387	Californica <i>Gray.</i>	California.
	<i>Trivia Californica</i> <i>Gray.</i>	
391	onyx <i>Linn.</i>	San Diego, California.
	<i>C. adusta</i> <i>Lam.</i>	
	<i>nymphæ</i> <i>Duclos.</i>	
	<i>pulla</i> <i>Gmelin.</i>	
392	Solandri <i>Gray.</i>	California.
394	Ovulum avena <i>Sowerby.</i>	Mexico.
	(<i>Cypræada.</i>)	
395	uniplicatum <i>Sowerby.</i>	South Carolina.
400	Conus interruptus <i>Brod.</i>	Mazatlan.
404	purpurascens <i>Brod.</i>	San Blas.
405	spurius <i>Gmel. (var.)</i>	Mexico.
	<i>C. leoninus</i> <i>Brug.</i>	
	<i>Proteus</i> <i>Brug.</i>	
	<i>inscriptus</i> <i>Brug.</i>	
	<i>bicolor</i> <i>Sowerby.</i>	

(Errata.) *Natica Groenlandica* Beck = *N. pusilla* Say.

SUPPLEMENT.

465	Cyclas aurea <i>Prime.</i>	Ohio.
465	cœrula <i>Prime.</i>	Massachusetts.
465	fabalis <i>Prime.</i>	Lake Superior.
465	flava <i>Prime.</i>	Lake Superior.
465	Jayensis <i>Prime.</i>	Lake Superior.
465	pellucida <i>Prime.</i>	Vermont.
	<i>C. calyculata</i> <i>Adams.</i>	
466	securia <i>Prime.</i>	Cambridge.
466	solidula <i>Prime.</i>	Ohio.
466	transversa <i>Say.</i>	Ohio.
466	truncata <i>Lindsiey.</i>	Connecticut.

Page.	Name.	Locality.
466	Plaidium abditum <i>Hald.</i>	Pennsylvania.
466	<i>altile</i> <i>Anthony.</i>	Ohio.
466	<i>compressum</i> <i>Prime.</i>	Massachusetts.
466	<i>variable</i> <i>Prime.</i>	Massachusetts.
466	<i>ventricosum</i> <i>Prime.</i>	Massachusetts.
466	Venus astartoides <i>Beck.</i>	Greenland.
466	<i>Manhattensis</i> <i>Prime.</i>	New York.
468	Dentalium striolatum <i>Stimpson.</i>	Maine.
469	Bulla amygdalus <i>List.</i>	Gulf of Mexico.
	<i>B. striata</i> <i>Brug.</i>	
469	<i>canaliculata</i> <i>Say.</i>	New Bedford.
	Subgenus <i>Tornatina.</i>	
	var. <i>Bullina canaliculata</i> <i>Say.</i>	
	<i>Volvaria canaliculata</i> <i>Say.</i>	
469	<i>corticata</i> <i>Möll.</i>	Greenland.
	Subgenus <i>Cylichna.</i>	
469	<i>debilis</i> <i>Gould.</i>	Boston bay.
	Subgenus <i>Aplustrum.</i>	
470	<i>formosa</i> <i>Stimpson.</i>	Massachusetts.
	<i>Philine formosa</i> <i>Stimpson.</i>	
470	<i>Gouldii</i> <i>Couth.</i>	Boston bay.
	Subgenus <i>Aplustrum.</i>	
470	<i>insculpta</i> <i>Totten.</i>	Rye, New York.
	Subgenus <i>Haminea.</i>	
	<i>B. solitaria</i> <i>Say.</i>	Maryland.
	var. <i>B. Reinhardi</i> <i>Holb.</i>	North America.
470	<i>lignaria</i> <i>Linn. (var.)</i>	B'ks of Newfoundland.
	Subgenus <i>Scaphander.</i>	
470	<i>nebulosa</i> <i>Gould (var.)</i>	Gulf of California.
470	<i>obstriata</i> <i>Gould.</i>	Boston bay.
	Subgenus <i>Tornatina.</i>	
470	<i>oryza</i> <i>Totten.</i>	Massachusetts.
	Subgenus <i>Haminea.</i>	
470	<i>pertenula</i> <i>Mighels.</i>	Cape Cod.
471	<i>triticea</i> <i>Couth.</i>	Boston bay.
	Subgenus <i>Cylichna.</i>	
471	<i>virescens</i> <i>Sowerby.</i>	California.
	Subgenus <i>Haminea.</i>	
471	Helix exigua <i>Stimpson.</i>	Boston.
473	Succinea obliqua <i>Say.</i>	New York.
473	<i>Texasiana</i> <i>Pfr.</i>	Galveston.
474	Planorbis multivolvis <i>Case.</i>	Michigan.
474	Physa vinosa <i>Gould.</i>	Lake Superior.
474	Melania brevispira <i>Anthony.</i>	Ohio.
474	<i>monilifera</i> <i>Anthony.</i>	Georgia.
475	Odostomia insculpta <i>De Kay.</i>	New York bay.

Page.	Name.	Locality.
475	<i>Turritella acicula</i> Stimpson.	Cape Cod.
476	<i>Pleurotoma cerinum</i> Kurtz, Stimpson.	New Bedford.
476	<i>Murex Belcheri</i> Hinds.	San Diego.
476	<i>monoceros</i> Sowb.= <i>M. Nuttalli</i> Conr.	
478	<i>Spirialia Gouldii</i> Stimpson.	Coast of U. States.

[In the earlier editions of the Catalogue occur the following names. Considerable discrepancy also exists regarding synonymy, owing principally to the improvements in classification. These earlier editions, not being perfectly represented in the Bibliography, should be consulted by the student.—W. G. B.]

(First Edition, vide p. 46.)

Page.	Name.	Locality.
8	<i>Mya hyalina.</i>	Montauk point, N. Y.
8	<i>Erycina cardioides.</i>	Florida.
9	<i>Pandora rostrata.</i>	New Jersey.
10	<i>Lucina divaricata.</i>	Rhode Island.
11	<i>Cyolas cornea.</i>	New Jersey.
11	<i>Cytherea Florida.</i>	Florida.
12	<i>concentrica.</i>	South Carolina.
15	<i>Unio formosus.</i>	Ohio.
16	<i>soleniformis.</i>	Ohio.
16	<i>ebenus.</i>	Alabama.
16	<i>asper.</i>	Louisiana.
16	<i>lens.</i>	Ohio.
16	<i>anodontoides.</i>	Ohio.
16	<i>pustulosus.</i>	Ohio.
16	<i>pustulatus.</i>	Illinois.
16	<i>oriens.</i>	Ohio.
16	<i>brevidens.</i>	Ohio.
16	<i>asperrimus.</i>	Ohio.
16	<i>multiplicatus.</i>	Ohio.
16	<i>rubiginosus.</i>	Ohio.
16	<i>sulcatus.</i>	Ohio.
16	<i>planulatus.</i>	Ohio.
16	<i>circulus.</i>	Ohio.
16	<i>multiradiatus.</i>	Ohio.
16	<i>occidens.</i>	Illinois.
16	<i>securis.</i>	Ohio.
16	<i>iris.</i>	Ohio.
16	<i>zigzag.</i>	Ohio.
16	<i>patulus.</i>	Ohio.
16	<i>calceolus.</i>	Ohio.

Page.	Name.	Locality.
16	Unio donaciformis.	Ohio.
16	<i>ellipsa.</i>	Ohio.
16	<i>irroratus.</i>	Ohio.
16	<i>mytiloides.</i>	Ohio.
	<i>U. undatus</i> Barnes.	
16	<i>cuneiformis.</i>	Ohio.
17	<i>modioliformis.</i>	Ohio.
17	<i>perdix.</i>	Tennessee.
17	<i>varicosus.</i>	Ohio.
17	<i>tenerus</i> (Rav. ed. 2.)	Cooper river, S. C.
17	<i>ridibundus.</i>	Tennessee.
17	<i>torsus.</i>	Ohio.
17	<i>scalenius.</i>	Ohio.
17	<i>Æscopus.</i>	Ohio.
17	<i>cornutus.</i>	Ohio.
17	<i>cuneatus.</i>	Ohio.
17	<i>ventricosus.</i>	Illinois.
17	<i>triangularis.</i>	Ohio.
17	<i>foliatus.</i>	Ohio.
18	<i>undulatus.</i>	Ohio.
18	Symphynota inflata.	Tennessee.
18	<i>lævissima.</i>	Ohio.
18	<i>alata.</i>	Ohio.
18	<i>complanata.</i>	Ohio.
18	<i>compressa.</i>	Ohio.
18	<i>gracilis.</i>	Ohio.
18	<i>tenuissimus.</i>	Ohio.
18	Alasmodonta confragosa.	Illinois.
18	<i>rugosa.</i>	Ohio.
18	<i>complanata.</i>	Kentucky.
18	<i>marginata.</i>	Ohio.
18	<i>undulata.</i>	New Jersey.
18	Anodonta fragilis.	Ohio.
19	Modiola demissus.	Rhode Island.
20	Pinna seminuda.	South Carolina.
21	Hinnites Poulsoni.	California.
22	Pecten gigantea.	California.
26	Helix aspersa.	Charleston, S. C.
26	<i>Richardi.</i>	Tennessee.
28	<i>fraterna.</i>	Pennsylvania.
29	Carocolla spinosa.	Alabama.
30	Bullmus undatus.	Florida.
31	<i>mutilatus.</i>	South Carolina.
31	Achatina vexillum.	Florida.
31	<i>virginea.</i>	Florida.

Page.	Name.	Locality.
32	<i>Achatina glans</i> .	South Carolina.
33	<i>Physa gyrina</i> .	South Carolina.
33	<i>Melania carinata</i> .	Yadkin river, N. C.
34	<i>Ampullaria Hopetonensis</i> .	Georgia.
38	<i>Cerithium dislocatum</i> .	South Carolina.
39	<i>Fasciolaria distans</i> .	South Carolina.
40	<i>Fusus cinereus</i> .	South Carolina.
46	<i>Buccinum serratum</i> .	California.
53	<i>Oliva Sayana</i> .	South Carolina.

(Second Edition, vide p. 52.)

8	<i>Solen constrictus</i> Lam.	Rhode Island.
8	<i>rostratus</i> Lam.	Maine.
9	<i>Thracia corbuloides</i> Desh.	Rhode Island.
10	<i>Gnathodon truncatus</i> .	Florida.
12	<i>Tellina versicolor</i> Cozzens.	New York.
16	<i>Cardium fasciatum</i> Mont.	South Carolina.
19	<i>Unio arcæformis</i> Lea.	Tennessee.
20	<i>dehiscens</i> Say.	Ohio.
	<i>U. oriens</i> Lea.	
20	<i>elegans</i> Lea.	Ohio.
20	<i>gibbosus</i> Barnes.	
	<i>U. nasuta</i> Lam.	
20	<i>fabalis</i> Lea.	Ohio.
	<i>U. lapillus</i> Say.	
21	<i>heros</i> Say = <i>U. multiplicatus</i> Lea.	
21	<i>perplexus</i> Lea.	Ohio.
21	<i>phaseolus</i> Hildreth.	Ohio.
	<i>U. planulatus</i> Lea.	
21	<i>pyramidatus</i> Lea.	Ohio.
22	<i>sulcatus</i> Lea.	Tennessee.
	<i>U. ridibundus</i> Say.	
22	<i>rugosus</i> Barnes.	Ohio.
	<i>U. asperrimus</i> Lea.	
22	<i>orbiculatus</i> Hildreth.	Tennessee.
	<i>U. crassus</i> Conrad.	
	<i>abruptus</i> Say.	
22	<i>crassidens</i> (var. a) Lam. = <i>U. trapezoides</i> Lea.	
22	<i>trigonus</i> Lea.	Ohio.
22	<i>formosus</i> Lea = <i>U. triangularis</i> Barnes.	
22	<i>undatus</i> Barnes = <i>U. obliquus</i> Lam.	
22	<i>undulatus</i> Barnes.	Ohio.
23	<i>elongata</i> Lam. = <i>Alasmodonta margaritifera</i> Say.	
23	<i>Alasmodonta edentula</i> Say.	Ohio.
23	<i>Anodonta areolata</i> Sw.	Western rivers.

Page.	Name.	Locality.
23	Anodonta corpulenta Cooper.	Upper Miss. river.
23	plana Lea.	Illinois.
26	Pecten concentricus Say.	New York.
27	Ostrea Canadensis Lam.	New York.
29	Clio borealis Linn.	New York.
30	Patella alveus Conrad.	Plymouth, Mass.
31	Crepidula unguiformis Lam.	New York.
33	Helix Bonplandii Lam.	Tennessee.
34	diodonta Zgl.	Ohio.
34	exoleta Say.	Ohio.
34	glaphyra Say.	Ohio.
36	minuta Say.	Ohio.
36	personata Lam.	Ohio.
38	Helicina picta .	Mexico.
38	Pupa exigua Say.	Ohio.
39	Clausilia exesa Spir.	Mexico.
41	Bulimus multifasciatus Lam.	Mexico.
41	princeps Brod	Mexico.
43	Melampus bidentalis Say.	New York.
43	borealis Conrad.	Rhode Island.
43	Cyclostoma lapidaria Say.	Ohio.
43	marginata Say.	Ohio.
44	Physa elliptica Lea.	Ohio.
45	Lymnaea stagnalis Lam.	Ohio.
45	Melania annulata Conrad.	Alabama.
45	isogonia Say.	Ohio.
45	lineata Say.	Ohio.
45	mutilata Say.	South Carolina.
45	obovata Say.	Ohio.
45	olivata Conrad.	Alabama.
46	Paludina dissimilis Say.	Ohio.
46	grana Say.	Ohio.
46	limosa Say.	Ohio.
47	Neritina latissima Brod.	Mexico.
49	Actæon trifidus Totten.	Rhode Island.
51	Turbo inflatus Totten.	Plymouth, Mass.
52	minutus Totten	Cape Cod.
53	Cerithium reticulatum Totten.	Rhode Island.
74	Loligo Pealeii Lesueur.	New York.
75	Unio camelus Lea.	Ohio.

(Third Edition, vide p. 64.)

12	Saxicava rhomboides Desh.	Massachusetts bay.
14	Tellina rosea Lam.	California.
15	Lucina bella Conrad.	Upper California.

Page.	Name.	Locality.
17	<i>Cytherea callosa</i> Conrad.	Upper California.
19	<i>Venus staminea</i> Conrad.	Upper California.
23	<i>Unio camelus</i> Lea.	Ohio.
23	<i>Cumberlandicus</i> Lea.	Tennessee.
24	<i>cuprinus</i> Lea.	Mexico.
24	<i>lævissimus</i> Lea.	Ohio.
24	<i>lachrymosus</i> Lea.	Ohio.
25	<i>orbiculatus</i> Hildreth.	Indiana.
25	<i>pileus</i> Lea.	Ohio.
25	<i>Schoolcraftensis</i> Lea.	Green bay.
25	<i>subovatus</i> Lea.	Ohio.
25	<i>tenuissimus</i> Lea.	Ohio.
28	<i>Anodonta pavonia</i> Lea.	Ohio.
30	<i>Modiola papuana</i> Lam.	New York.
30	<i>Mytilus borealis</i> Lam.	New York.
31	<i>Perna Californica</i> Conrad.	California.
33	<i>Pecten tumidus</i> Brod.	Upper California.
34	<i>Anomia patellaris</i> Lam.	New York.
36	<i>Hells gymnota</i> Couth.	Charles river.
33	<i>salmonacea</i> Couth.	Massachusetts.
37	<i>Tritonia Reynoldsii</i> Couth.	Charles river.
37	<i>Chiton Californicus</i> Nutt.	Upper California.
37	<i>incarnatus</i> Nutt.	Upper California.
37	<i>pectinatus</i> Gould.	New York.
37	<i>textilis</i> Conrad.	Upper California.
37	<i>Patella amena</i> Say.	New York.
38	<i>plicata</i> Nutt.	Upper California.
38	<i>scabra</i> Nutt.	Upper California.
40	<i>Fissurella ornata</i> Nutt.	Upper California.
40	<i>pica</i> Nutt.	Upper California.
41	<i>Crepidula rugosa</i> Nutt.	Upper California.
41	<i>squamosa</i> Brod.	Upper California.
41	<i>Bulla Californica</i> Nutt.	Upper California.
46	<i>Helix denotata</i> Fer.	Ohio.
	<i>H. palliata</i> Say.	
47	<i>Leati</i> Ward.	Ohio.
47	<i>linguifera</i> Fer.	Ohio.
	<i>H. appressa</i> Say.	
49	<i>planorbula</i> Lam.	Florida.
	<i>H. septemvolva</i> Say.	
49	<i>scabra</i> Lam.	New York.
	<i>H. alternata</i> Say.	
50	<i>subglobosa</i> Binney.	Massachusetts.
51	<i>Wardiana</i> Lea.	Ohio.
51	<i>saleta</i> Say.	Ohio.

Page.	Name.	Locality.
58	Achatina striata <i>Desh.</i>	Florida.
59	Auricula cornea <i>Desh.</i>	New York.
61	Physa aurea <i>Lea.</i>	Virginia.
62	Melania subglobosa <i>Say.</i>	Ohio.
63	<i>trilineata Say.</i>	Ohio.
63	Anculotus dentatus <i>Conrad.</i>	Potomac.
64	Paludina porata <i>Say.</i>	Ohio.
68	Natica variolaris.	California.
68	Galericulum lævigatum <i>Brown.</i>	Massachusetts bay.
68	<i>ovatum Brown.</i>	Massachusetts bay.
69	Pyramidella terebellum <i>Lam.</i>	South Carolina.
69	Scalaria communis <i>Lam.</i>	South Carolina, &c.
70	<i>subulata Couth.</i>	Massachusetts bay.
70	Trochus Californicus <i>Nutt.</i>	Upper California.
70	<i>castaneus Nutt.</i>	Upper California.
72	Monodonta fusca <i>Nutt.</i>	Upper California.
72	<i>marginata Nutt.</i>	Upper California.
72	Turbo aculeus <i>Gould.</i>	Massachusetts bay.
72	<i>cinereus Couth.</i>	Massachusetts bay.
72	<i>incarnatus Couth.</i>	Massachusetts bay.
72	<i>inflatus Totten.</i>	Plymouth.
72	<i>irroratus Say.</i>	New York.
73	<i>minutus Totten.</i>	Cape Cod.
73	<i>obligatus Say.</i>	Massachusetts.
73	<i>obscurus Couth.</i>	Massachusetts.
73	<i>pallidus Say.</i>	Massachusetts.
73	<i>pallida Nutt.</i>	Upper California.
73	<i>vestita Say.</i>	Massachusetts.
73	Marmarostoma planospira <i>Nutt.</i>	Upper California.
73	Littorina lostoma <i>Nutt.</i>	Upper California.
73	<i>maculata Nutt.</i>	Upper California.
73	<i>planaxis Nutt.</i>	Upper California.
74	Phasianella inflexa <i>Couth.</i>	Massachusetts bay.
77	Cancellaria Couthouyi <i>Jay.</i>	Massachusetts bay.
	<i>C. buccinoides Couth.</i>	
79	Melongena occidentalis <i>Nutt.</i>	California.
80	Murex sexcostatus <i>Brug.</i>	California.
84	Purpura bezoar <i>Blainv.</i>	California.
84	<i>chocolatum Ducloz.</i>	California.
85	<i>macrostoma Conrad.</i>	Sta. Barbara.
86	Monoceros engonata <i>Conrad.</i>	California.
	<i>Purpura spirata Blainv.</i>	
86	<i>lapilloides Nutt.</i>	California.
86	<i>plumbeum Kiener.</i>	California.
86	<i>punctulatum Gray.</i>	California.

Page.	Name.	Locality.
86	<i>Trichotropis costellatus</i> <i>Couth.</i>	Massachusetts bay.
87	<i>Buccinum Boysii</i> <i>Nutt.</i>	Upper California.
88	<i>Poulsoni</i> <i>Nutt.</i>	Upper California.
88	<i>serratum</i> <i>Dufr.</i>	California.
88	<i>trivittatum</i> <i>Say.</i>	New York.
89	<i>Terebra Petiti</i> <i>Kiener.</i>	South Carolina.
96	<i>Cypræa pustulata</i> <i>Lam.</i>	Mexico.
97	<i>Oliva biplicata</i> <i>Sowerby.</i>	California.
98	<i>undatella.</i>	California.

(Appendix. See, also, p. 64.)

Pa.	Pl.	Fig.	Name.	Locality.
112	i	8, 9	<i>Paludina scalaris</i> <i>Jay.</i>	Florida.
112	i	10, 11	<i>Lymnæa gracilis</i> <i>Jay.</i>	Essex Co., N. Y.
113	i	17, 18	<i>Trichotropis costellatus</i> <i>Couth.</i>	Mass. bay.
114	i	19, 20	<i>Nucula Portlandica</i> <i>Hitch.,</i> fossil.	Maine.
116	iii	7	<i>Ampullaria scalaris</i> <i>D'Orb.</i> <i>A. angulata</i> <i>Jay.</i>	Mexico.
118	v	1, 2	<i>Unio spinosus</i> <i>Lea.</i>	Georgia.
122	vii	11	<i>Melania læta</i> <i>Jay.</i>	Alabama.

Bland.—Facts and Principles relating to the Origin and Geographical Distribution of Mollusca: by THOS. BLAND, F. G. S. London. (From Am. Journal Science and Art, 2d series, vol. xiv, No. 42, pp. 389–404. November, 1852.)

Lapham.—Catalogue of the Mollusca of Wisconsin: by I. A. LAPHAM. (From Trans. Wisc. State Agricultural Soc., vol. ii. Madison, Wisc., 1852.) [Without descriptions.]

ORDER GASTEROPODA.

Page.		Page.	
367	<i>Ancylus rivularis</i> <i>Say.</i>	367	<i>Helix hirsuta</i> <i>Say.</i>
367	<i>diaphanus</i> <i>Hald.</i>	367	<i>labyrinthica</i> <i>Say.</i>
367	<i>Vitrina pellucida</i> <i>Drap.</i>	367	<i>lineata</i> <i>Say.</i>
367	<i>Helix albolabris</i> <i>Say.</i>	367	<i>ligera</i> <i>Say.</i>
367	<i>alternata</i> <i>Say.</i>	367	<i>monodon</i> <i>Rackett.</i>
367	<i>arborea</i> <i>Say.</i>	367	<i>multilineata</i> <i>Say.</i>
367	<i>chersina</i> <i>Say.</i>	367	<i>perspectiva</i> <i>Say.</i>
367	<i>concava</i> <i>Say.</i>	367	<i>profunda</i> <i>Say.</i>
367	<i>fraterna</i> <i>Say.</i>	367	<i>porcina</i> <i>Say.</i>

Page.		Page.	
367	Pupa armifera Say.	368	Limnea columella Say.
367	oortioaria Say.		<i>L. macrostoma Say.</i>
367	ovata Say.	368	emarginata Say.
	<i>P. modesta.</i>	368	fragilis Linn.
367	Succinea obliqua Say.		<i>L. elodes Say.</i>
367	avara Say.	368	gracilis Say.
368	Bullimus lubricus Brug.	368	jugularis Say.
368	harpa Pfeiffer.		<i>L. stagnalis Kirtland.</i>
	<i>Helix harpa Say.</i>	368	megasoma Say.
368	Planorbis armigerus Say.	368	umbrosa Say.
368	bicarinatus Say.	368	Physa heterostrophæ Say.
368	campanulatus Say.	368	elongata Say.
368	corpulentus Say.	368	Paludina decisa Say.
368	deflectus Say.	368	isogona Say.
368	exacutus Say.	368	subglobosa Say.
368	parvus Say.	368	Amnicola limosa Say.
368	trivolvus Say.	368	lustrica Say.
368	Limnea caperata Say.	368	Melania depygis Say.
	<i>L. umbilicata Adams.</i>	368	elevata Say.
368	catascopium Say.	368	Valvata tricarinata Say.
		368	sincera Say.

ORDER ACEPHALA.

369	Unio bullatus Raf.	369	Unio nervosus Raf.
	<i>U. pustulosus Lea.</i>		<i>U. zig-zag Lea.</i>
369	cardium Raf.		<i>donaciformis Lea.</i>
	<i>U. ventricosus Barnes.</i>	369	olivarius Raf.
369	carlosus Say.		<i>U. ellipsis Lea.</i>
369	clava Lam.	369	parvus Barnes.
	<i>U. mytiloides Raf.</i>	369	prasinus Conrad.
369	dilatatus Raf.		<i>U. Schoolcraftensis Lea.</i>
	<i>U. gibbosus Barnes.</i>	369	radiatus Lam.
369	fasciolaris Raf.	369	rectus Lam.
	<i>U. phaseolus Hildreth.</i>		<i>U. praelongus Barnes.</i>
	<i>mucronatus Barnes.</i>	369	reflexus Raf.
369	fasciatus Raf.		<i>U. cornutus Barnes.</i>
	<i>U. crassus Barnes.</i>	369	subrostratus Raf.
	<i>ellipticus Barnes.</i>		<i>U. iris Lea.</i>
	<i>carinatus Barnes.</i>	369	trigonus Lea.
369	luteolus Lam.	369	truncatus Raf.
	<i>U. siliquoides Barnes.</i>		<i>U. elegans Lea.</i>
	<i>inflatus Barnes.</i>	369	tuberculatus Raf.
369	metanevrus Raf.		<i>U. verrucosus Barnes.</i>
	<i>U. nodosus Barnes.</i>	369	undatus Barnes.

Page.		Page.	
369	Unio verrucosus Raf. <i>U. tuberculatus</i> Barnes.	370	Alasmodonta marginata S.
369	Metaptera alata Conrad. <i>Unio alatus</i> Say.	370	leptodon Raf. <i>Unio planus</i> Barnes. <i>tenuissima</i> Lea.
369	fragilis Conrad. <i>Unio fragilis</i> Say. <i>gracilis</i> Barnes.	370	Strophites calceolus Conr. <i>Unio calceolus</i> Lea.
369	Plectomerus plicatus Conr. <i>Unio plicatus</i> Barnes.	370	edentulus Conrad. <i>Alasmodonta edentula</i> Say. <i>Anodonta edentula</i> DeKay.
370	Complanaria complanata Conrad. <i>Alasmodonta complanata</i> Barnes.	370	Anodonta cataracta Say. <i>A. fluviatilis</i> Lea.
370	costata Conrad. <i>Alasmodonta costata</i> Raf. <i>rugosa</i> Bar.	370	declivis Conrad. <i>A. plana</i> Lea.
370	compressa Conrad. <i>Symphynota compressa</i> Lea.	370	Ferussaciana Lea.
		370	imbecillis Say. <i>A. incerta</i> Lea.
		370	Cyclas similis Say.

Lea.—A Synopsis of the Family of Naiades: by ISAAC LEA, Member of the Amer. Phil. Soc., &c. Third edition, greatly enlarged and improved. Philadelphia, 1852.¹

GENUS MARGARON.

Subgenus Unio.

Page.		Page.	
	(SYMPHYNOTA.)		
19	Unio Nicklinianus Lea.		<i>Lymnadia alata</i> Sowb.
19	Boykinianus Lea.		<i>Metaptera alata</i> Stimp.
19	inflatus Lea. <i>Symph. inflata</i> Lea. <i>U. Alabamensis</i> Conrad.	19	Unio lævissimus Lea. <i>Symph. lævissima</i> Lea. <i>U. lævissima</i> Deshayes.
19	alatus Say. <i>Mya alata</i> Wood. <i>Symph. alata</i> Lea.	19	gracilis Barnes. <i>U. planus</i> Barnes. <i>fragilis</i> Swain. <i>Symph. gracilis</i> Lea.

¹ There is also, in the marginal notes, much information regarding the synonymy which is not given in a shape convenient to embody in my extract. As no localities are given, I have taken only those species which are repeated by Mr. Lea in the North American sections of his geographical tables. Mr. Lea published three editions of this Synopsis, in the Transactions of the Philosophical Society (q. v.), in 1836 and in 1852. The last two now follow.—W. G. B.

Page.		Page.	
	<i>Metaptera gracilis</i> Stimp.	21	Unio trapezoides Lea.
19	Unio pressus Lea.		<i>U. crassidens</i> Lam. var. a.
	<i>Symph. compressa</i> Lea.		<i>interruptus</i> Say.
	<i>Complanaria alasmodon-</i>	21	subtentus Say.
	<i>tina</i> Stimpson.	21	Conradicus Lea.
	<i>U. compressus</i> Conrad.	21	acutissimus Lea.
19	decoratus Lea.		(b. <i>Nodulosus.</i>)
19	atromarginatus Lea.		
	(Non-symphyotete.)	21	lachrymosus Lea.
	(a. <i>Plicate.</i>)	21	asperimus Lea.
20	multiplicatus Lea.		<i>U. quadrulus</i> Say.
	<i>U. heros</i> Say.	21	Rumphianus Lea.
	<i>undulatus</i> Say.	22	fragosus Conrad.
20	undulatus Barnes.	22	Phillipsii Conrad.
	<i>U. costata?</i> Raf.	22	Cincinnatiensis Lea.
	<i>costatus</i> Conrad.	22	pustulatus Lea.
20	perplicatus Conrad.		<i>U. undulatus</i> Conrad.
20	atrocostatus Lea.	22	Schoolcraftensis Lea.
20	plicatus Lesueur.		<i>U. prasinus</i> Conrad.
	<i>U. Peruviana</i> Lam.		<i>nodiferus</i> Conrad.
	<i>rariplicata</i> Lam.	22	apiculatus Say.
	<i>Dombeyanus</i> Valen.	22	asper Lea.
	<i>undulata</i> Desh.	22	Dorfeuillianus Lea.
	<i>multiplicata</i> Desh.	22	stapes Lea.
	<i>crassus</i> Barnes.	22	tuberosus Lea.
	<i>undulatus</i> Conrad.	22	sparsus Lea.
20	infucatus Conrad.	22	metanevrus Raf.
	<i>U. securiformis</i> Conrad.		<i>U. nodosus</i> Barnes.
20	Kleinianus Lea.		<i>rugosus</i> Barnes.
20	foliatus Hild.		<i>Telederma metanevra</i> Sw.
	<i>U. flexuosa?</i> Raf.	22	intermedius Conrad.
	<i>U. flexuosus</i> Conrad.	22	cornutus Barnes.
	<i>foliatus</i> Conrad.		<i>U. reflexa?</i> Raf.
20	cælatius Conrad.		<i>reflexus</i> Conrad.
20	Stewardsonii Lea.	22	pustulosus Lea.
20	pliciferus Lea.		<i>U. verrucosus</i> Barnes.
	<i>U. carbonarius</i> Lea.		<i>verrucosa</i> Valen.
	<i>plexus</i> Conrad.		<i>verrucosus albus</i> Say.
20	semigranosus V. d. Busch.		<i>bullatus</i> Conrad.
21	laticostatus Lea.	22	Kelnerianus Lea.
21	hippopæus Lea.	22	turgidus Lea.
21	Sloatianus Lea.		<i>U. Mortoni</i> Conrad.
	<i>U. plectoformis</i> Conrad.	22	Cooperianus Lea.

- | Page. | | Page. | |
|----------|----------------------------------|-------|------------------------------|
| 22 | Unio verrucosus Barnes. | 24 | Unio penitus Conrad. |
| | <i>U. tuberculata</i> ? Raf. | 24 | Estabrookianus Lea. |
| | <i>tuberculosa</i> Valen. | 24 | securis Lea. |
| | <i>verrucosus purpureus</i> | | <i>U. depressa</i> (?) Raf. |
| | Hild. | | <i>lineolatus</i> Say. |
| | <i>tuberculatus</i> Conrad. | 24 | abacus Hald. |
| 22 | graniferus Lea. | 24 | camelus Lea. |
| (Errata) | pernodosus Lea. | 24 | compressissimus Lea. |
| 22 | irroratus Lea. | 24 | ovatus Say. |
| | <i>U. verrucosus albus</i> Hild. | | <i>U. ventricosus</i> Desh. |
| | <i>stegarius</i> Conrad. | | <i>subovatus</i> Desh. |
| 22 | operatus Lea. | | <i>occidens</i> Desh. |
| | <i>U. abacoides</i> Hald. | | <i>Æglia ovata</i> Swain. |
| 23 | dromas Lea. | 24 | satur Lea. |
| 23 | Lamarckianus Lea. | 24 | subovatus Lea. |
| 23 | Æsopus Green. | 24 | crassidens Lam. |
| | <i>U. cicatricosus</i> Conrad. | | <i>U. caneatatus</i> Barnes. |
| | <i>varicosus</i> Conrad. | | <i>niger</i> ? Raf. |
| | <i>cyphius</i> Conrad. | | <i>niger</i> Conrad. |
| 23 | varicosus Lea. | 24 | incrassatus Lea. |
| | <i>U. cicatricosus</i> ? Say. | 24 | Forbesianus Lea. |
| | <i>cicatricosus</i> Conrad. | 24 | gibber Lea. |
| 23 | perplexus Lea. | 24 | pumilis Lea. |
| | <i>U. gibbosus</i> ? Raf. | 24 | rubiginosus Lea. |
| | <i>gibbosus</i> Conrad. | | <i>U. flavus</i> Conrad. |
| 23 | tuberculatus Barnes. | | <i>cerinus</i> Conrad. |
| | <i>U. pustulata</i> Swain. | 24 | Bigbyensis Lea. |
| 23 | cylindricus Say. | 24 | maculatus Conrad. |
| | <i>U. naviformis</i> Lam. | 24 | Barnesianus Lea. |
| | (c. <i>Spinous</i> .) | 24 | cuneolus Lea. |
| 23 | spinous Lea. | 24 | pileus Lea. |
| 23 | collinus Conrad. | 25 | Sowerbianus Lea. |
| | (d. <i>Smooth</i> .) | 25 | trigonus Lea. |
| 23 | arcæformis Lea. | 25 | cyrenoides Phil. |
| | <i>U. nexus</i> Say. | 25 | Holstonensis Lea. |
| 23 | triangularis Barnes. | 25 | tumescens Lea. |
| | <i>U. formosus</i> Lea. | 25 | fulgidus Lea. |
| | <i>cuneatus</i> Swain. | 25 | solidus Lea. |
| 23 | Foremanianus Lea. | 25 | obliquus Lam. |
| 23 | elegans Lea. | | <i>U. undatus</i> Barnes. |
| | <i>U. truncatus</i> Say. | | <i>trigonus</i> Say. |
| 24 | donaciformis Lea. | | <i>mytiloides</i> Eat. |
| 24 | zigzag Lea. | | <i>undulatus</i> Desh. |
| 24 | heterodon Lea. | | <i>cordatus</i> ? Raf. |
| | | | <i>cordatus</i> Conrad. |
| | | | <i>cardiacea</i> Guérin. |

Page.		Page.	
25	Unio plenus <i>Lea.</i>	26	Unio occidentalis <i>Lea.</i>
25	pyramidatus <i>Lea.</i>		<i>U. ventricosus</i> Say.
	<i>U. rubra</i> ? Raf.		<i>lenis</i> (junior) Conrad.
	<i>mytiloides</i> Conrad.		<i>cardium</i> Conrad.
	<i>cardiacea</i> Desh.	27	lineatus <i>Lea.</i>
25	Bournianus <i>Lea.</i>	27	dolabræformis <i>Lea.</i>
25	Edgarianus <i>Lea.</i>	27	capax Green.
25	mytiloides Raf.		<i>Symph. globosa</i> Lea.
	<i>Mya obliqua</i> Wood.	27	splendidus <i>Lea.</i>
	<i>Unioopsis mytiloides</i> Swain.	27	ochraceus Say.
25	Troostensis <i>Lea.</i>		<i>Symph. ochracea</i> Lea.
	<i>U. trabalis</i> Conrad.		<i>U. rosaceus</i> Conrad.
25	trossulus <i>Lea.</i>		<i>Lampsilis ochracea</i> Stimp.
25	Taitianus <i>Lea.</i>	27	stagnalis Conrad.
26	oor Conrad.		<i>U. Ogecheensis</i> Conrad.
26	Hanleyianus <i>Lea.</i>	27	Clarkianus <i>Lea.</i>
26	decusus <i>Lea.</i>	27	crocatus <i>Lea.</i>
26	clavus Lam.	27	affinis <i>Lea.</i>
	<i>U. scalenia</i>	27	cariosus Say.
	<i>modioliformis</i> Say.		<i>U. cariosa</i> Lam.
26	patulus <i>Lea.</i>		<i>ovata</i> Valen.
26	oviformis Conrad.		<i>luteola</i> Conrad.
26	argenteus <i>Lea.</i>		<i>oratus</i> Conrad.
26	Ravenellianus <i>Lea.</i>		<i>Lampsilis cariosa</i> Stimp.
	<i>U. rudis</i> Conrad.	27	Georgianus <i>Lea.</i>
26	Troschellianus <i>Lea.</i>	27	perovatus Conrad.
26	strictus <i>Lea.</i>	27	aitilis Conrad.
26	Rangianus <i>Lea.</i>	27	multiradiatus <i>Lea.</i>
	<i>U. gibbosus</i> Küst.		<i>U. fasciola</i> ? Raf.
26	sulcatus <i>Lea.</i>		<i>fasciolus</i> Conrad.
	<i>U. ridibundus</i> Say.		<i>ligamentina</i> Desh.
26	Haysianus <i>Lea.</i>	27	Novi-Eboraci <i>Lea.</i>
26	ellipsis <i>Lea.</i>	27	saxeus Conrad.
	<i>U. brevis</i> ? Sowb.	27	perovalis Conrad.
26	castaneus <i>Lea.</i>	27	capsæformis <i>Lea.</i>
26	pulvinulus <i>Lea.</i>	27	Greenii Conrad.
26	Tampicoensis <i>Lea.</i>	27	pictus <i>Lea.</i>
26	Lecontianus <i>Lea.</i>	27	pallescent <i>Lea.</i>
	<i>U. contrarius</i> Conrad.	27	Tennesseeensis <i>Lea.</i>
26	hebes <i>Lea.</i>	27	simplex <i>Lea.</i>
26	perdix <i>Lea.</i>	27	flavescens <i>Lea.</i>
	<i>U. pectorosus</i> Conrad.	27	interruptus <i>Lea.</i>
26	ventricosus Barnes.		<i>U. tenuatus</i> ? Conrad.
	<i>U. radiatus</i> Hild.		<i>latiradiatus</i> Conrad.
	<i>Lampsilis ventricosa</i> Stimp.		

Page.

- 27 **Unio Menkianus** *Lea.*
 27 **Stonensis** *Lea.*
 27 **venustus** *Lea.*
 27 **exiguus** *Lea.*
 27 **Tecomatensis** *Lea.*
 28 **spatulatus** *Lea.*
 28 **ligamentinus** *Lam.*
 U. crassus *Say.*
 ellipticus *Barnes.*
 carinatus *Barnes.*
 Mya gravis *Wood.*
 U. fuscatus *Conrad.*
 28 **orbiculatus** *Hild*
 U. abruptus *Say.*
 crassus *Conrad.*
 28 **Hydianus** *Lea.*
 28 **approximus** *Lea.*
 28 **Claibornensis** *Lea.*
 28 **Powellii** *Lea.*
 28 **Reeveianus** *Lea.*
 28 **luteolus** *Lam.*
 U. siliquoides *Barnes.*
 inflatus *Barnes.*
 inclinus *Conrad.*
 rosaceus *De Kay.*
 Lampsilis siliquoidea *St.*
 28 **stramineus** *Conrad.*
 28 **aratus** *Lea.*
 28 **pulcher** *Lea.*
 28 **tener** *Lea.*
 29 **Prevostianus** *Lea.*
 29 **radiatus** *Lam.*
 U. Virginiana *Lam.*
 Mya radiata *Gmel.*
 oblongata *Wood.*
 pictorum tenuis *Chem.*
 Lampsilis radiata *Stimp.*
 29 **regularis** *Lea.*
 29 **amoenus** *Lea.*
 29 **Sapotalsensis** *Lea.*
 29 **Oregonensis** *Lea.*
 29 **Medellinus** *Lea.*
 29 **notatus** *Lea.*
 29 **subangulatus** *Lea.*
 29 **Vanuxemensis** *Lea.*

Page.

- 29 **Unio Nashvillianus** *Lea.*
 29 **Mississippiensis** *Conrad.*
 29 **Zeiglerianus** *Lea.*
 29 **henosus** *Conrad.*
 29 **constrictus** *Conrad.*
 29 **placitus** *Lea.*
 29 **buxeus** *Lea.*
 29 **concavus** *Lea.*
 29 **obscurus** *Lea.*
 29 **proximus** *Lea.*
 29 **nitens** *Lea.*
 29 **Gouldii** *Lea.*
 29 **Moussonianus** *Lea.*
 29 **Monroensis** *Lea.*
 29 **caliginosus** *Lea.*
 29 **Binneyi** *Lea.*
 30 **Bucklyi** *Lea.*
 30 **fuscatus** *Lea.*
 30 **occultus** *Lea.*
 30 **luridus** *Lea.*
 30 **nigellus** *Lea.*
 30 **Cumberlandianus** *Lea.*
 U. Cumberlandicus *Chenu.*
 30 **vibex** *Conrad.*
 30 **Muhlfeldianus** *Lea.*
 31 **creperus** *Lea.*
 31 **glaber** *Lea.*
 31 **fabalis** *Lea.*
 U. capillus *Say.*
 lapillus *Say.*
 31 **paulus** *Lea.*
 31 **pusillus** *Lea.*
 31 **parvus** *Barnes.*
 31 **Haleianus** *Lea.*
 31 **nigerrimus** *Lea.*
 31 **minor** *Lea.*
 31 **glans** *Lea.*
 31 **nux** *Lea.*
 31 **Brumbyanus** *Lea.*
 31 **mæstus** *Lea.*
 31 **pullus** *Conrad.*
 31 **ineptus** *Lea.*
 31 **discus** *Lea.*
 U. Panacoensis *V. d Busch.*
 31 **simus** *Lea.*

Page.		Page.	
32	Unio brevidens Lea.	33	Unio fulvus Lea.
	<i>U. interruptus</i> Conrad.		<i>U. icterinus</i> Conrad.
32	tetralasmus Say.	33	rufusculus Lea.
32	camptodon Say.	33	Gibbesianus Lea.
	<i>U. declivis</i> Conrad.	33	sordidus Lea.
	<i>Sayii</i> Tappan.	33	Dariensis Lea.
	<i>rhomboidius</i> Ward, MS	33	Congareus Lea.
32	obesus Lea.	33	neglectus Lea.
32	Hopetonensis Lea.	33	subplanus Conrad.
32	fraternus Lea.	33	declivis Say.
32	Cuvernianus Lea.		<i>U. geometricus</i> Lea.
32	Roanokensis Lea.		<i>excultus</i> Conrad.
32	jejunus Lea.	33	paludiculus Gould.
32	complanatus Lea.	33	Blandingianus Lea.
	<i>Mya complanata</i> Soland.	34	famelicus Gould.
	<i>rigida</i> Wood.	34	circulus Lea.
	<i>U. violaceus</i> Spangler.		<i>Mya rotunda?</i> Wood.
	<i>purpureus</i> Say.	34	lens Lea.
	<i>rarisulcata</i> Lam.	34	unicolor Lea.
	<i>coarctata</i> Lam.	34	rubellus Conrad.
	<i>purpurascens</i> Lam.	34	Masoni Conrad.
	<i>rhombula</i> Lam.	34	rotundatus Lam.
	<i>carinifera</i> Lam.		<i>U. suborbiculata</i> Lam.
	<i>Georgina</i> Lam.		<i>glebulus</i> Say.
	<i>glabrata</i> Lam.		<i>subglobosus</i> Lea.
	<i>sulcidens</i> Lam.	35	personatus Say.
	<i>fluvialilis</i> Green.		<i>U. capillaris</i> Lea.
	<i>subinflata</i> Conrad.	35	retusus Lam.
	<i>planilaterus</i> Conrad.		<i>U. torsa</i> Raf.
32	symmetricus Lea.		<i>obtusa</i> Cuvier.
32	limatulus Conrad.		<i>cordatus</i> (fem.) Küst.
32	Buddianus Lea.	35	ebenus Lea.
33	Griffithianus Lea.		<i>U. mytiloides</i> Conrad.
33	confertus Lea.		<i>obliquus</i> Conrad.
33	Geddingsianus Lea.		<i>Gouldianus</i> Ward.
33	Whitelanus Lea.	35	Lesuerianus Lea.
33	fuliginosus Lea.	35	nucleopsis Conrad.
33	pallatus Ravenel's letter.	35	Kirtlandianus Lea.
33	Tuomeyi Lea.	35	pilaris Lea.
33	callosus Lea.	35	dollabelloides Lea.
33	tortivus Lea.	35	subrotundus Lea.
33	occidentalis Conrad.		<i>U. politus?</i> Say.
33	Watereensis Lea.		<i>brevialis?</i> Crounch.
	<i>U. Raveneli</i> Conrad.		<i>politus</i> Conrad.

Page.		Page.	
35	Unio coccineus Lea. <i>U. coccineus</i> Hildreth's letter, Conrad. <i>catillus</i> Conrad. <i>cuneus</i> ? Conrad.	38	Unio phaseolus Hild. <i>U. planulatus</i> Lea. <i>cuneatus</i> Barnes.
35	Shepardianus Lea.	38	arcus Conrad.
35	Duttonianus Lea.	38	arctatus Conrad.
35	folliculatus Lea.	38	gibbosus Barnes. <i>U. mucronatus</i> Barnes. <i>nasuta</i> Lam. <i>dilatatus</i> ? Raf. <i>dilatatus</i> Conrad.
35	rectus Lam. <i>U. praelongus</i> Barnes. <i>recta</i> Valen. <i>Sageri</i> Conrad. <i>Mya praelonga</i> Wood. <i>Eurynea praelonga</i> Stimp.	38	arctior Lea.
36	strigosus Lea.	38	Vaughanianus Lea. <i>U. Carolinensis</i> Rav. let.
36	perstriatus Lea.	38	purpuratus Lam. <i>Mya ventricosa</i> Solan. <i>U. ater</i> Lea. <i>lugubris</i> Say. <i>Poulsoni</i> Conrad.
36	angustatus Lea.	38	biangulatus Lea.
36	dactylus Lea.	38	cuprinus Lea. <i>U. metallicus</i> Say.
36	lanceolatus Lea.	38	papyraceus Gould.
36	anodontoides Lea. <i>U. teres</i> ? Raf. <i>teres</i> Conrad.	38	Boydianus Lea.
37	productus Conrad.	39	modioliformis Lea. <i>U. delumbis</i> Conrad.
37	sagittiformis Lea.	39	Floridensis Lea.
37	nasutus Say. <i>U. rostratus</i> Valen. <i>Mya nasuta</i> Wood. <i>U. subrostratus</i> ? Say. <i>Eurynea nasuta</i> Stimp.	39	tenerus Rav. <i>U. tenebrosus</i> Conrad.
37	Barrattii Lea.	39	pellucidus Lea.
37	Fisherianus Lea.	39	amygdalum Lea.
37	aheneus Lea.	39	lenior Lea.
37	Jayensis Lea.	39	hyalinus Lea.
38	lugubris Lea.	39	nigrinus Lea.
38	iris Lea. <i>U. nebulosus</i> Conrad.	39	Tappanianus Lea. <i>U. viridis</i> Conrad.
38	fatuus Lea.	39	contradens Lea.
38	tenuissimus Lea. <i>Symph. tenuissima</i> Lea. <i>An. purpurascens</i> Swain. <i>U. velum</i> Say. <i>leptodon</i> Conrad. <i>planus</i> Conrad.	39	obtusus Lea.
		39	monodontus Say. <i>U. soleniformis</i> Lea.
		39	Lazarus Lea.

[Here follows a list of species with which the author is unacquainted. No habitats being given, I cannot be sure of any being American, but presume the following to be so.—W. G. B.]

Page.		Page.	
39	Unio Aberti Conrad.	40	Unio parallelus Conrad.
40	fervus Conrad.	40	Pequottinus Linsl.
40	metastriatus Conrad.	40	punicus Hald.
40	Mexicanus Phil.	40	purpuratus Say.
Subgenus Margaritana.			
	(SYMPHYNOTE.)	42	Margaritana undulata Lea.
	(a. Plicate.)		<i>Alas. undulata</i> Say.
42	Margaritana complanata Lea.		<i>sculptilis</i> (jun.) Say.
	<i>Alas. complanata</i> Barnes.		<i>Strophitus sculptilis</i> Stim.
	<i>Symph. complanata</i> Lea.		<i>Mya undulata</i> Wood.
	<i>Unio complanata</i> Desh.		<i>Unio hians</i> Valen.
	<i>Katherina</i> Lea.		<i>glabratus</i> Sowb.
	(NON-SYMPHYNOTE.)	42	Raveneliana Lea.
	(a. Plicate.)	43	radiata Lea.
42	confragosa Lea.		<i>Alas. radiata</i> Conrad.
	<i>Alas. confragosa</i> Say.		<i>Uniopsis radiata</i> ? Swain.
	<i>Unio confragosa</i> Desh.	43	calceola Lea.
42	arcula Lea.		<i>Unio calceolus</i> Lea.
42	marginata Lea.		<i>Alas. marginata</i> Say.
	<i>Alas. marginata</i> Say.		<i>truncata</i> Conrad.
	<i>truncata</i> Say.	43	Hildrethiana Lea.
	<i>Unio cariosa</i> Lam. (var. 2)		<i>Unio Hildrethianus</i> Lea.
	<i>varicosa</i> Lam.		<i>Alas. ambigua</i> ? Say.
	<i>calceolus</i> Say.	43	dehiscens Lea.
	<i>Mya regulosa</i> Wood.		<i>Unio dehiscens</i> Say.
	<i>Alas. corrugata</i> De Kay.		<i>oriens</i> Lea.
42	rugosa Lea.	43	margaritifera Lea.
	<i>Alas. rugosa</i> Barnes.		<i>M. fluviatilis</i> Sohm.
	<i>abducta</i> Say.		<i>arcuata</i> Stimpson.
	<i>Complanaria rugosa</i> Stim.		<i>Unio Carolinianus</i> Bosc.
	(b. Smooth.)		<i>Alas. arcuata</i> Barnes.
42	deltoidea Lea.		<i>fulcata</i> Gould.
42	minor Lea.	44	Holstonia Lea.
42	Curreyana Lea.	44	fabula Lea.
			(Unknown.)
		44	Etowaensis Conrad.

Subgenus Anodonta.

	(SYMPHYNOTE.)	47	Anodonta Benedictensis Lea.
	(a. Smooth.)		<i>Symph. Benedictensis</i> Lea.
47	Anodonta Wahlamatensis		<i>A. cultratus</i> Gould.
	Lea.	47	Nuttalliana Lea.

Page.		Page.	
47	Anodonta Californiensis <i>Lea.</i> (NON-SYMPHYNOTE.) (b. Smooth.)	50	Anodonta fluviatilis <i>Lea.</i> <i>Myt. fluviatilis</i> Dill. <i>illitus</i> Soland?
49	Oregonensis <i>Lea.</i> <i>A. cognata</i> Gould.		<i>A. cataracta</i> Say. <i>marginata</i> Say. <i>teres</i> Conrad. <i>Unio cataracta</i> Desh.
49	Pepiniana <i>Lea.</i>	50	<i>opaca</i> <i>Lea.</i>
49	fragilis <i>Lam.</i>	50	Arkansensis <i>Lea.</i>
49	Footiana <i>Lea.</i>	50	glauca <i>Valen.</i> <i>A. glauca</i> <i>Lam.</i> <i>oratus</i> <i>Swain.</i>
49	undulata <i>Say.</i> <i>Anodon rugosus</i> <i>Swain.</i> <i>Anodonta Pennsylvanica</i> <i>Lam.</i>	50	ovata <i>Lea.</i>
	<i>Unio undulata</i> <i>Desh.</i> <i>Alas. marginata</i> <i>Küst.</i> <i>Strophitus undulatus</i> <i>Stim.</i>	50	plana <i>Lea.</i> <i>A. declivis</i> <i>Conrad.</i>
49	Wardiana <i>Lea.</i> <i>A. virgata</i> <i>Conrad.</i>	50	decora <i>Lea.</i>
49	edentula <i>Lea.</i> <i>Alas. edentula</i> <i>Say.</i> <i>An. areolatus</i> <i>Swain.</i> <i>unadilla</i> <i>De Kay.</i>	50	Harpethensis <i>Lea.</i>
50	pavonia <i>Lea.</i>	50	gigantea <i>Lea.</i>
50	Ferussaciana <i>Lea.</i> <i>Alas. Ferussaciana</i> <i>Küst.</i>	50	subvexa <i>Conrad.</i>
50	denigrata <i>Lea.</i>	51	Stewartiana <i>Lea.</i>
50	oblita <i>Lea.</i>	51	virens <i>Lea.</i>
50	argentea <i>Lea.</i>	51	gibbosa <i>Say.</i> <i>A. inflata</i> Major Leconte's cabinet.
50	ferruginea <i>Lea.</i>	51	Couperiana <i>Lea.</i>
50	salmonia <i>Lea.</i>	51	grandis <i>Say.</i> <i>A. corpulenta</i> <i>Coop.</i>
50	imbecillis <i>Say.</i> <i>A. incerta</i> <i>Lea.</i>	51	tetragona <i>Lea.</i>
50	implicata <i>Say.</i> <i>A. Newtonensis</i> <i>Lea.</i> <i>excursata</i> <i>De Kay.</i>	51	Shaefferiana <i>Lea.</i>
		51	suborbiculata <i>Say.</i>
		51	Linnæana <i>Lea.</i>
		51	cylindracea <i>Lea.</i>
		51	subcylindracea <i>Lea.</i>
		51	Buchanensis <i>Lea.</i>
		52	angulata <i>Lea.</i> <i>A. feminalis.</i>

[I presume the following to be the only American species in the list of those unknown to the author.—W. G. B.]

Page.		Page.	
53	Anodonta impura <i>Say.</i>	53	Anodonta placitus <i>Hald.</i>
53	lugubris <i>Say.</i>		

[The following species of Rafinesque are omitted by Mr. Lea from his Synopsis, he not having been able to determine them. I give them all, not knowing if any foreign species are included.—W. G. B.]

Page.

57	<i>Alasmodonta atropurpureum Raf.?</i>
57	<i>badium Raf.?</i>
57	<i>oostata Raf.?</i>
57	<i>hians Raf.</i>
57	<i>ponderosum Raf.?</i>
57	<i>papyraceum Raf.?</i>
57	<i>rugosum Raf.?</i>
57	<i>sulcatum Raf.?</i>
57	<i>scriptum Raf.?</i>
57	<i>viridis Raf.?</i>
57	<i>Anodonta atra Raf.?</i>
57	<i>aperta Raf.?</i>
57	<i>cuneata Raf.?</i>
57	<i>digonota Raf.?</i>
57	<i>inflata Raf.?</i>
57	<i>lata Raf.?</i>
57	<i>Ohlensis Raf.?</i>
57	<i>solenoides Raf.?</i>
57	<i>Unio antrosa Raf.?</i>
57	<i>atroviolacea Raf.?</i>
57	<i>argyratus Raf.?</i>
57	<i>attenuata Raf.?</i>
57	<i>aurata Raf.</i>
57	<i>bicolor Raf.?</i>
57	<i>bullata Raf.?</i>
57	<i>biloba Raf.</i>
57	<i>cardium Raf.?</i>
57	<i>Cliffordiana Raf.?</i>
57	<i>calendis Raf.?</i>
57	<i>chloris Raf.?</i>
57	<i>castaneus Raf.?</i>
57	<i>costata Raf.?</i>
57	<i>crassa Raf.?</i>
57	<i>cinerescens Raf.?</i>
57	<i>cordata Raf.?</i>
57	<i>cuneata Raf.?</i>
57	<i>cyclips Raf.?</i>
57	<i>cuprea Raf.?</i>
57	<i>cyphia Raf.?</i>
57	<i>decorticata Raf.?</i>

Page.

57	<i>Unio depressa Raf.?</i>
57	<i>diploderma Raf.?</i>
57	<i>diaphanus Raf.?</i>
57	<i>dilatata Raf.?</i>
57	<i>ellipsaria Raf.?</i>
57	<i>elliptica Raf.?</i>
57	<i>fasciata Raf.?</i>
57	<i>fulvus Raf.?</i>
57	<i>fontinalis Raf.?</i>
57	<i>fulgens Raf.?</i>
57	<i>fasciola Raf.?</i>
57	<i>fasciolaris Raf.?</i>
57	<i>flava Raf.?</i>
57	<i>flexuosa Raf.?</i>
57	<i>flexus Raf.?</i>
57	<i>fragilis Raf.?</i>
57	<i>gibbosa Raf.?</i>
57	<i>granulatus Raf.?</i>
57	<i>interrupta Raf.?</i>
57	<i>lateralis Raf.?</i>
57	<i>latissima Raf.?</i>
57	<i>leptodon Raf.?</i>
57	<i>laevigata Raf.?</i>
57	<i>lamobrachys Raf.?</i>
57	<i>lineolata Raf.?</i>
57	<i>lividus Raf.?</i>
57	<i>megaptera Raf.?</i>
58	<i>montanus Raf.?</i>
58	<i>melaplata Raf.?</i>
58	<i>nervosa Raf.?</i>
58	<i>nigra Raf.?</i>
58	<i>nodulata Raf.?</i>
58	<i>obliquata Raf.?</i>
58	<i>obovalis Raf.?</i>
58	<i>olivaria Raf.?</i>
58	<i>ovata Raf.?</i>
58	<i>Paphos Raf.?</i>
58	<i>pachostea Raf.?</i>
58	<i>ponderosus Raf.?</i>
58	<i>pallida Raf.?</i>
58	<i>plateolus Raf.?</i>

Page.		Page.	
58	Unio pusella Raf.?	58	Unio teres Raf.?
58	pallens Raf.?	58	triangularis Raf.?
58	perplexus Raf.?	58	triqueter Raf.?
58	quadrula Raf.?	58	truncata Raf.?
58	reflexa Raf.?	58	tuberculata Raf.?
58	retusa Raf.?	58	verrucosa Raf.?
58	rimosus Raf.?	58	viridis Raf.?
58	rosea Raf.?	58	vittatus Raf.?
58	rivularis Raf.?	58	Venus Raf.?
58	stegaria Raf.?	58	zonalis Raf.?
58	sintoxia Raf.?	58	Odatella radiata Raf.?
58	sinuata Raf.?	58	Lasmonos fragalis Raf.?
58	solenoides Raf.?	58	Diplasma marginatæ Raf.?
58	striata Raf.?	58	similis Raf.?
58	subrotunda Raf.?	58	vitrea Raf.?
58	torulosa Raf.?	58	striata Raf.?
58	teneltus Raf.?		

Lea.—Synopsis, &c. Second edition, 1836. With a frontispiece of *Unio spinosus*.

GENUS MARGARITA.

Subgenus Unio.

Page.	(SYMPHYNOTH.)	Page.	
	(b. Smooth.)	12	Unio cœlatus Conrad.
11	Unio inflatus Lea.	12	multiplicatus Lea.
	<i>Symph. inflata</i> Lea.		<i>U. heros</i> Say.
11	alatus Say.		<i>undulatus</i> Say.
	<i>U. alatus</i> Say.	12	undulatus Barnes.
	<i>Mya alata</i> Wood.		<i>U. costata?</i> Raf.
	<i>Symph. alata</i> Lea.		<i>costatus</i> Conrad.
11	lævissimus Lea.	12	plicatus Lescur.
	<i>Symph. lævissima</i> Lea.		<i>U. Peruviana</i> Lam.
	<i>U. lævissima</i> Deshayes.		<i>rariPLICATA</i> Lam.
11	gracilis Barnes.		<i>Dombeyanus</i> Valen.
	<i>U. planus</i> Barnes.		<i>undulata</i> Desh.
	<i>fragilis</i> Swain.		<i>multiplicata</i> Desh.
	<i>Symph. gracilis</i> Lea.	12	trapezoides Lea.
11	compressus Lea.		<i>U. crassidens</i> Lam., var. a.
	<i>Symph. compressa</i> Lea.		<i>interruptus</i> Say.
	(NON-SYMPHYNOTH.)	13	foliatus Hild.
	(a. Plicate.)		<i>U. flexuosa?</i> Raf.
12	Nicklinianus Lea.		<i>flexuosus</i> Conrad.
			<i>foliatus</i> Conrad.

Page.		Page.	
13	Unio pliciferus Lea.	17	Unio varicosus Lea.
13	subtentus Say.		<i>U. cicatricosus?</i> Say.
13	Conradicus Lea.	17	perplexus Lea.
14	acutissimus Lea.		<i>U. gibbosus?</i> Raf.
	(b. <i>Nodulosus.</i>)		<i>gibbosus</i> Conrad.
14	lachrymosus Lea.	17	tuberculatus Barnes.
14	asperrimus Lea.	17	cylindricus Say.
	<i>U. quadratus</i> Say.		<i>U. naviformis</i> Lam.
14	fragrosus Conrad.		(c. <i>Spinous.</i>)
15	Phillipsii Conrad.	17	spinousus Lea.
15	pustulatus Lea.		(d. <i>Smooth.</i>)
15	Schoolcraftensis Lea.	18	arcæformis Lea.
	<i>U. prænus</i> Conrad.		<i>U. nexus</i> Say.
15	apiculatus Say.	18	triangularis Barnes.
15	asper Lea.		<i>U. formosus</i> Lea.
15	stapes Lea.		<i>cuneatus</i> Swain.
15	metaneveer Lea.	18	elegans Lea.
	<i>U. metaneveera</i> Raf.	18	donaciformis Lea.
	<i>nodosus</i> Barnes.	18	zigzag Lea.
	<i>rugosus</i> Barnes.	18	heterodon Lea.
	<i>metaneveera</i> Conrad.	19	penitus Conrad.
15	cornutus Barnes.	19	securis Lea.
	<i>U. reflexa?</i> Raf.		<i>U. depressa</i> Raf.
	<i>reflexus</i> Conrad.	19	camelus Lea.
15	pustulosus Lea.	19	ovatus Say.
	<i>U. verrucosus</i> Bar., var. b.		<i>U. ventricosus</i> Desh.
	<i>verrucosus</i> Valen.		<i>subovatus</i> Desh.
	<i>verrucosus albus</i> Say.		<i>occidens</i> Desh.
16	turgidus Lea.	19	subovatus Lea.
	<i>U. Mortoni</i> Conrad.	19	crassidens Lam.
16	Cooperianus Lea.		<i>U. cuneatus</i> Barnes.
16	verrucosus Barnes.		<i>niger?</i> Raf.
	<i>U. tuberculata?</i> Raf.		<i>niger</i> Conrad.
	<i>tuberculosa</i> Valen.	19.	carbonarius Lea.
	<i>verrucosus purpureus</i>	20	gibber Lea.
	Hild.	20	pumilis Lea.
	<i>tuberculatus</i> Conrad.	20	rubiginosus Lea.
16	nodulosus Lea.	20	Barnesianus Lea.
	<i>Mya nodulosa</i> Wood.	20	pileus Lea.
16	irroratus Lea.	20	Sowerbianus Lea.
	<i>U. verrucosus albus</i> Hild.	20	solidus Lea.
16	dromas Lea.	20	obliqua Lam.
17	Æsopus Green.		<i>U. undatus</i> Barnes.
	<i>U. cicatricosus</i> Conrad.		<i>trigonus</i> Say.
	<i>varicosus</i> Conrad.		

Page.

- U. mytiloides* Rat.
undulatus Desh.
cordatus? Raf.
cordatus Conrad.
21 *Unio pyramidatus* Lea.
U. rubra? Raf.
mytiloides Conrad.
21 *mytiloides* Raf.
Mya obliqua Wood.
21 *Troostensis* Lea.
U. trabalis Conrad.
21 *Taitianus* Lea.
21 *cor* Conrad.
21 *decians* Lea.
22 *clavus* Lam.
U. scalenia Raf.
modioliformis Say.
22 *patulus* Lea.
22 *Ravenelianus* Lea.
22 *sulcatus* Lea.
U. ridibundus Say.
22 *Haytianus* Lea.
22 *ellipsalis* Lea.
22 *castaneus* Lea.
22 *Tampicoensis* Lea.
23 *Lecontianus* Lea.
23 *perdix* Lea.
23 *pectorosus* Conrad.
23 *ventricosus* Barnes.
23 *occidens* Lea.
U. ventricosus Say.
23 *globosa* Lea.
Symph. globosa Lea.
U. capax? Green.
23 *ochraceus* Say.
Symph. ochracea Lea.
23 *splendidus* Lea.
23 *cariosus* Say.
U. cariosa Lam.
ocata Valen.
luteola Conrad.
24 *perovatus* Conrad.
24 *altilis* Conrad.
24 *multiradiatus* Lea.
U. fasciola? Raf.
fasciolus Conrad.

Page.

- U. ligamentina* Desh.
24 *Unio perovalis* Conrad.
24 *capsæformis* Lea.
24 *Greenii* Conrad.
24 *pictus* Lea.
24 *tæniatus* Conrad.
24 *interruptus* Lea.
24 *venustus* Lea.
24 *crassus* Say.
U. ellipticus Barnes.
carinatus Barnes.
ligamentina Lam.
Mya gravis Wood.
U. fasciatus Conrad.
25 *orbiculatus* Hild.
U. abruptus Say.
crassus Conrad.
25 *Hydianus* Lea.
25 *luteolus* Lam.
U. siliquoides Barnes.
inflatus Barnes.
25 *pulcher* Lea.
25 *radiatus* Lam.
U. Virginiana Lam.
Mya radiata Gmel.
oblongata Wood.
pictorum tenuis Chem.
26 *Medellinus* Lea.
26 *notatus* Lea.
26 *Vanuxemensis* Lea.
26 *Nashvillianus* Lea.
26 *Zeiglerianus* Lea.
26 *lienosus* Conrad.
26 *obscurus* Lea.
27 *Cumberlandianus* Lea.
27 *vibex* Conrad.
27 *Muhlfeldianus* Lea.
28 *creperus* Lea.
28 *glaber* Lea.
28 *Hildrethianus* Lea.
Alas. ambigua? Say.
28 *fabalis* Lea.
U. capillus Say.
lapillus Say.
28 *parvus* Barnes.
U. parvus Conrad.

Page.		Page.	
28	Unio glans Lea.	34	Unio retusus Lam.
29	brevidens Lea.		<i>U. torsa</i> Raf.
30	tetralasmus Say.	34	ebenus Lea.
30	camptodon Say.		<i>U. mytiloides</i> Conrad.
	<i>U. declivis</i> Conrad.	34	maculatus Conrad.
30	obesus Lea.	34	Kirtlandianus Lea.
30	Hopetonensis Lea.	34	subrotundus Lea.
30	Roanokensis Lea.		<i>U. politus</i> ? Say.
30	jejunus Lea.		<i>brevialus</i> ? Crouch.
30	complanatus Lea.	34	infucatus Conrad.
	<i>Mya complanata</i> Sol.	34	coccineus Lea.
	<i>rigida</i> Wood.		<i>U. coccineus</i> Hildreth's
	<i>U. violaceus</i> Spangler.		letter, Conrad.
	<i>purpureus</i> Say.		<i>catillus</i> Conrad.
	<i>rarisulcata</i> Lam.	34	Shepardianus Lea.
	<i>coarctata</i> Lam.	34	folliculatus Lea.
	<i>purpurascens</i> Lam.	34	rectus Lam.
	<i>rhombula</i> Lam.		<i>U. praelongus</i> Barnes.
	<i>carinifera</i> Lam.		<i>recta</i> Valen.
	<i>Georgina</i> Lam.		<i>Sageri</i> ? Conrad.
	<i>glabrata</i> Lam.		<i>Mya praelonga</i> Wood.
	<i>sulcidens</i> Lam.	35	dehiscens ? Say.
	<i>fluvialis</i> Green.		<i>U. oriens</i> Lea.
31	Griffithianus Lea.	35	angustatus Lea.
31	confertus Lea.	35	lanceolatus Lea.
31	pallatus Ravenel's letter.	35	anodontoides Lea.
31	Watereensis Lea.		<i>U. teres</i> ? Raf.
	<i>U. Raveneli</i> Conrad.		<i>teres</i> Conrad.
32	fulvus Lea.	37	productus Conrad.
	<i>U. icterinus</i> Conrad.	37	nasutus Say.
32	Congaræus Lea.		<i>U. rostratus</i> Valen.
32	declivis Say.		<i>Mya nasuta</i> Wood.
	<i>U. geometricus</i> Lea.		<i>U. subrostratus</i> ? Say.
32	Blandingianus Lea.	37	Fisherianus Lea.
33	circulus Lea.	37	Jayensis Lea.
	<i>Mya rotunda</i> ? Wood.	37	lugubris Lea.
33	lens Lea.	37	iris Lea.
33	rubellus Conrad.		<i>U. nebulosus</i> Conrad.
33	Masoni Conrad.	38	tenuissimus Lea.
33	rotundatus Lam.		<i>Symph. tenuissima</i> Lea.
	<i>U. suborbiculata</i> Lam.		<i>An. purpurascens</i> Swain.
	<i>glebulus</i> Say.		<i>U. velum</i> Say.
	<i>subglobosus</i> Lea.	38	phaseolus Hild.
33	personatus Say.		<i>U. planulatus</i> Lea.
	<i>U. capillaris</i> Lea.		<i>cuneatus</i> Barnes.

Page.		Page.	
38	Unio arcus Conrad.		<i>U. ater</i> Lea.
38	arctatus Conrad.		<i>lugubris</i> Say.
38	gibbosus Barnes.		<i>Poulsoni</i> Conrad.
	<i>U. mucronatus</i> Barnes.	39	Unio cuprinus Lea.
	<i>nasuta</i> Lam.		<i>U. metallicus</i> Say.
	<i>dilatata</i> ? Raf.	39	modioliformis Lea.
	<i>dilatatus</i> Conrad.		<i>U. delumbis</i> Conrad.
39	arctior Lea.	39	tenerus Rav.
39	Vaughanlanus Lea.		<i>U. tenebrosus</i> Conrad.
	<i>U. Carolinensis</i> Rav. lett.	39	Tappanlanus Lea.
39	purpuratus Lam.	39	stramineus Conrad.
	<i>Mya ventricosa</i> Solan.	40	monodontus Say.
			<i>U. soleniformis</i> Lea.

[The following species are known to the author by name only.—W. G. B.]

Page.		Page.	
41	Unio Grœnlandicus Schröt.	41	Unio oviformis Conrad.
41	purpuratus Say.	41	furvus Conrad.
Subgenus Margaritana.			
	(SYMPHYNOTR.)		<i>Alas. sculptilis</i> (y'ng) Say.
	(a. Plicate.)		<i>Mya undulata</i> Wood.
43	Margaritana complanata Lea.		<i>Unio hians</i> Valen.
	<i>Alas. complanata</i> Barnes.		<i>glabratus</i> Sowb.
	<i>Symph. complanata</i> Lea.	44	Margaritana Ravenelliana
	(NON SYMPHYNOTR.)		Lea.
	(a. Plicate.)	44	radiata Lea.
43	confragosa Lea.		<i>Alas. radiata</i> Conrad.
	<i>Alas. confragosa</i> Say.	45	calceola Lea.
43	arcula Lea.		<i>Unio calceolus</i> Lea.
43	marginata Lea.		<i>Alas. marginata</i> Say.
	<i>Alas. marginata</i> Say.		<i>truncata</i> Conrad.
	<i>truncata</i> Say.	45	margaritifera Lea.
	<i>Unio cariosa</i> Lam. (var. 2.)		<i>Mya margaritifera</i> Linn.
	<i>varicosa</i> Lam.		<i>Margaritana fluviatilis</i>
	<i>calceolus</i> Say.		Schum.
	<i>Mya regulosa</i> Wood.		<i>Unio elongata</i> Lam.
44	rugosa Lea.		<i>sinuata</i> Pfeif.
	<i>Alas. rugosa</i> Barnes.		<i>Roissyi</i> Mich.
	<i>abducta</i> Say.		<i>margaritiferus</i> Pfeif.
	(b. Smooth.)		<i>rivalis</i> Zeig.
44	deltoldea Lea.		<i>Al. margaritiferum</i> Flem.
44	undulata Lea.		<i>arcuata</i> Barnes.
	<i>Alas. undulata</i> Say.	46	Holstonia Lea.
		46	fabula Lea.

Subgenus **Anodonta**.

Page.		Page.	
	(SYMPHYNOTE.)		<i>Myt. illitus</i> Soland.
	(a. Smooth.)		<i>A. cataracta</i> Say.
48	Anodonta Benedictensis Lea.		<i>implicata?</i> Say.
	<i>Symph. Benedictensis</i> Lea.		<i>teres</i> Conrad.
	(NON-SYMPHYNOTE.)	51	Anodonta glauca Valen.
	(b. Smooth.)		<i>A. glauca</i> Lam.
50	fragilis Lam.	52	ovata Lea.
50	undulata Say.	52	plana Lea.
	<i>Anodon rugosus</i> Swain.		<i>A. declivis</i> Conrad.
	<i>Anodonta Pennsylvanica</i>	52	decora Lea.
	Lam.	52	gigantea Lea.
50	Wardiana Lea.	52	subveza Conrad.
	<i>A. virgata</i> Conrad.	52	Stewartiana Lea.
50	edentula Lea.	52	globosa Say.
	<i>Alas. edentula</i> Say.		<i>A. inflata</i> Maj. LeConte's
	<i>Anodon areolatus</i> Swain.		cabinet.
51	Ferussaciana Lea.	52	grandis Say.
51	salmonia Lea.		<i>A. corpulenta</i> Coop.
51	incerta Lea.	52	suborbiculata Say.
51	fluvialilis Lea.	54	cylindracea Lea.
	<i>Myt. fluvialilis</i> Soland.	54	Buchanensis Lea.

[The following species are unknown to the author.—W. G. B.]

Page.		Page.	
54	Anodonta imbecilis Say.	54	Anodonta impura Say.
54	lugubris Say.		

[A list of uncertain species of Rafinesque is given on pp. 58 and 59. It is the same as copied from the third edition.—W. G. B.]

In the Addenda, *Anodonta marginata* Say = **A. fluvialilis**.

Unio Dorfeuillianus Lea.
graniferus Lea.
Rangianus Lea.
Menkianus Lea.
discus Lea.
contradens Lea.

Anodonta Nuttalliana Lea.
Wahlamatensis Lea.
Oregonensis Lea.
pavonia Lea.
Newtonensis Lea.

Adams.—Shells: by Prof. C. B. ADAMS. From the Exploration of the Red River of Louisiana, by Capt. Marcy. Washington, 1854.

[No descriptions are given. The particular localities are noted.]

Page.	Name.	Locality.
242	Unio asperimus Lea.	Otter creek, lat. 34° 35' N.,
242	————	long. 100° W.
243	tuberculatus Barnes.	Otter creek.
243	anodontoides Lea.	Otter creek.
243	parvus Barnes.	Otter creek.
243	Hydianus Lea.	Fort Washita.
243	lævissimus Lea.	Otter creek?
243	gracilis Barnes.	Otter creek.
243	Cyclas distorta Prime.	Otter creek.
243	Bulimus liquabilis Reeve.	Otter creek.
243	Physa ancillaria Say.	Otter creek.
244	heterostropha Say.	Otter creek.
244	Limnæa caperata Say.	One day from Cache creek.
244	Planorbis lentus Say.	One day from Cache cr., &c.

Also—Notes on the geographical distribution of the above.

Schumard.—Notices of Additional Species of Shells: by G. C. SCHUMARD, M. D.

Page.	Name.	Locality.
244	Unio anodontoides Lea.	Little Wichita, &c.
244	rugosus Barnes.	Little Wichita.
245	siliquoides Barnes.	Near Otter creek.
245	lævissimus Lea.	Otter creek.
245	Anodonta imbecillis Say.	Beaver creek, &c.
245	Planorbis trivolvus Say.	
245	Physa gyrina Say.	Beaver cr., Choctaw nation.
245	Succinea avara Say.	Otter cr., Choctaw nation.
245	Cyclas partumela Say.	Otter and Beaver creeks.
245	Bulimus dealbatus Say.	Texas.

Stimpson.—Synopsis of the Marine Invertebrata of Grand Manan, or the region about the mouth of the Bay of Fundy, New Brunswick: by WILLIAM STIMPSON. (Smithsonian Contributions to Knowledge, vol. vi. Washington, 1854.)

[Descriptions of new species are given in full, with notes on those previously known.]

Page.		Page.	
19	<i>Ascidia callosa</i> Stimp.	21	<i>Macra ponderosa</i> Phil.
20	<i>tenella</i> Stimp.	21	<i>solidissima</i> Chemn.
20	<i>geometrica</i> Stimp.	21	<i>Tellina fusca</i> Phil.
20	<i>Glandula fibrosa</i> Stimp.	21	<i>proxima</i> Brown.
20	<i>mollis</i> Stimp.	21	<i>Solen ensis</i> Linn.
20	<i>Cynthia pyriformis</i> Rathke.	21	<i>Thracia truncata</i> Mighels.
20	<i>echinata</i> Stimp.	21	<i>myopsis</i> Beck.
20	<i>Boltenia rubra</i> Stimp.		<i>T. Couthouyi</i> Stimp.
20	<i>reniformis</i> (?) McLeay.	21	<i>Conradi</i> Couth.
20	<i>Terebratula septentrionalis</i>	21	<i>Lyonsia hyalina</i> Conrad.
	Couth.	21	<i>Pandora trilineata</i> Say.
20	<i>Anomia ephippium</i> Linn.	21	<i>Næra pellucida</i> St. (fig. 13.)
20	<i>aculeata</i> Gmelin.	22	<i>Panopæa Norvegica</i> Lovén.
20	<i>Pecten Magellanicus</i> Lam.	22	<i>Mya truncata</i> L.
20	<i>Islandicus</i> Müll.	22	<i>arenaria</i> L.
20	<i>Nucula proxima</i> Say.	22	<i>Saxicava rugosa</i> Lam.
20	<i>tenuis</i> Turton.	22	<i>arctica</i> Desh.
20	<i>delphinodonta</i> Mighels.	22	<i>Pholas crispata</i> L.
20	<i>Leda thracæformis</i> Stimp.	22	<i>Dentalium striolatum</i> Stimp.
20	<i>sapotilla</i> Stimp.	22	<i>Chiton albus</i> L.
20	<i>myalis</i> Stimp.	22	<i>ruber</i> L.
20	<i>lomatula</i> Stimp.	22	<i>marmoreus</i> O. Fabr.
21	<i>tenuisulcata</i> Stimp.	22	<i>mendicarius</i> Mighels.
21	<i>Mytilus decussatus</i> Stimp.	22	<i>Pilidium cæcum</i> .
21	<i>corrugata</i> Stimp.		<i>Patella cæca</i> Müll.
21	<i>discors</i> L.		<i>candida</i> Couth.
21	<i>levigatus</i> Stimp.		<i>Pilidium candidum</i> Stimp.
21	<i>discrepans</i> Mont.	22	<i>Tectura testudinalis</i> Gray.
21	<i>modiolus</i> L.	22	<i>Calyptræa striata</i> Say.
21	<i>edulis</i> L.	22	<i>Diadora Noachina</i> Gray.
21	<i>Thyasira Gouldii</i> Stimp.	23	<i>Trochus occidentale</i> Mighels.
21	<i>Cardita borealis</i> Conrad.	23	<i>Margarita cinerea</i> Gould.
21	<i>Astarte sulcata</i> Flem.	23	<i>obscura</i> Gould.
21	<i>quadrans</i> Gould.	23	<i>undulata</i> Sowb.
21	<i>Cyprina Islandica</i> Lam.	23	<i>argentata</i> Gould.
21	<i>Cardium Islandicum</i> Linn.	23	<i>helicina</i> Möll.
21	<i>pinnulatum</i> Conrad.	23	<i>acuminata</i> Sowb.

Page.		Page.	
23	<i>Adeorbis costulata</i> Stimp.	24	<i>Tritonium decemcostatum</i> Midd.
23	<i>Littorina rudis</i> Gould.		
23	<i>litoralis</i> F. & H.	24	<i>pygmæum</i> Stimp.
23	<i>Lacuna vineta</i> Turton.	24	<i>clathratum</i> Müll.
23	<i>Rissoa eburnea</i> Stimp.	24	<i>Fasciolaria ligata</i> Mighels.
23	<i>aculeus</i> Stimp.	24	<i>Columbella rosacea</i> Stimp.
23	<i>Mighelsii</i> Stimp.	24	<i>disaemilis</i> Stimp.
23	<i>pelagica</i> Stimp.	24	<i>Mangelia turricula</i> F. & H.
23	<i>Turritella costulata</i> Mighels.	24	<i>pyramidalis</i> Stimp.
23	<i>erosa</i> Couth.	25	<i>cancellata</i> Stimp.
23	<i>acicula</i> Stimp.	25	<i>decussata</i> Stimp.
23	<i>Aporrhais occidentalis</i> Beck.	25	<i>Bulla hiemalis</i> Couth.
23	<i>Scalaria Grœnlandica</i> Gould.	25	<i>triticea</i> Couth.
23	<i>Menestho albula</i> Möll.	25	<i>pertenuis</i> Mighels.
23	<i>Chemnitzia nivea</i> Stimp.	25	<i>debilis</i> Gould.
24	<i>Natica flava</i> Gould.	25	<i>Philine lineolata</i> Stimp.
24	<i>heros</i> Say.	25	<i>Canthopsis Havardiensis</i> Agassiz.
24	<i>triseriata</i> S.		
24	<i>Grœnlandica</i> Beck.	25	<i>Eolis farinacea</i> Gould, MS.
24	<i>immaculata</i> Totten.	25	<i>stellata</i> Stimp. (n. sp.)
24	<i>clausa</i> Brod. & Sowb.	25	<i>purpurea</i> Stimp. (n. sp.)
24	<i>Velutina hallotoides</i> Möll.	26	<i>diversa</i> Couth.
24	<i>zonata</i> Gould.	26	<i>Mananensis</i> Stimp.
24	<i>Lamellaria perspicua</i> Lovèn.	26	<i>Doto coronata</i> Lovèn.
24	<i>Admete viridula</i> Stimp.	26	<i>Dendronotus arborescens</i> A. & H.
24	<i>Trichotropis borealis</i> Br. &		
24	<i>Purpuralapillus</i> Lam. [Sowb.	26	<i>Ancula sulphurea</i> Stimp.
24	<i>Nassa trivittata</i> S.	26	<i>Doris planulata</i> St. (fig. 14.)
24	<i>Buccinum undatum</i> L.	26	<i>pallida</i> Agassiz.
24	<i>Tritonium Islandicum</i> Lovèn.	27	<i>Loligo Bartramii</i> (?) Les.

Prime.—Descriptions of three new species of *Pisidium*: by
 TEMPLE PRIME. (From *Annals of the New York Lyceum of
 Natural History*, vol. vi. March, 1854.)

Page.	Plate.	Fig.	Name.	Locality.
64	i	1	<i>Pisidium cicer</i> Prime.	Washington Co., N. Y.
65	i	2	<i>contortum</i> Prime.	Pittsfield, Mass.
65	i	3	<i>Noveboracense</i> Prime.	Washington and Herkimer Counties, N. Y.

Prime.—On the identity of *Cyclas elegans* Adams with *Cyclas rhomboidea* Say: by TEMPLE PRIME. (From same, p. 66.)

Anthony.—Descriptions of new Fluvialile Shells of the Genus
Melania of Lamarck from the Western States of North America:
 by J. G. ANTHONY, Esq. (From same.)

Page.	Plate.	Fig.	Name.	Locality.
83	ii	1	<i>Melania athleta</i> Anthony.	Tennessee.
84	ii	2	<i>viridula</i> Anthony.	Tennessee.
85	ii	3	<i>hastata</i> Anthony.	Alabama.
86	ii	4	<i>lota</i> Anthony.	Ohio?
87	ii	5	<i>altipeta</i> Anthony.	Raccoon creek, Ohio.
88	ii	6	<i>latitans</i> Anthony.	Mammoth cave, Ky.
89	ii	7	<i>vittata</i> Anthony.	Alabama.
90	ii	8	<i>nigrocincta</i> Anthony.	Tennessee.
91	ii	9	<i>subangulata</i> Anthony.	Alabama.
92	ii	10	<i>brunnea</i> Anthony.	Alabama.
93	ii	11	<i>virens</i> Anthony.	Alabama.
93	ii	12	<i>ampla</i> Anthony.	Alabama.
94	ii	13	<i>ambusta</i> Anthony.	Alabama.
95	ii	14	<i>arachnoidea</i> Anthony.	London, Tenn.
97	ii	15	<i>eliminata</i> Anthony.	Owenboro', Ky.
98	ii	16	<i>baculum</i> Anthony.	Tennessee.
99	ii	17	<i>incrassata</i> Anthony.	— ?
99	ii	18	<i>excavata</i> Anthony.	Alabama.
100	ii	19	<i>casta</i> Anthony.	Alabama.
101	ii	20	<i>textilosa</i> Anthony.	Georgia.
102	iii	1	<i>curvilabris</i> Anthony.	Tennessee.
103	iii	2	<i>elegantula</i> Anthony.	Kentucky.
104	iii	3	<i>pupoidea</i> Anthony.	Alabama.
105	iii	4	<i>tecta</i> Anthony.	Ohio.
105	iii	5	<i>imbricata</i> Anthony.	Alabama.
106	iii	6	<i>pagodiformis</i> Anthony.	Battle creek, Tenn.
107	iii	7	<i>eximia</i> Anthony.	Tennessee.
108	iii	8	<i>cristata</i> Anthony.	Alabama.
109	iii	9	<i>proscissa</i> Anthony.	Alabama.
110	iii	10	<i>torulosa</i> Anthony.	Tennessee.
111	iii	11	<i>planogyra</i> Anthony.	Alabama.
112	iii	12	<i>gradata</i> Anthony.	Alabama.
113	iii	13	<i>fastigiata</i> Anthony.	Tennessee.
114	iii	14	<i>vicina</i> Anthony.	Alabama.
115	iii	15	<i>pallidula</i> Anthony.	Tennessee.
116	iii	16	<i>rhombica</i> Anthony.	Alabama.
April, 1854.				
117	iii	17	<i>angulata</i> Anthony.	Tennessee.
118	iii	18	<i>tabulata</i> Anthony.	Tennessee.

Page.	Plate.	Fig.	Name.	Locality.
119	iii	19	Melania clara <i>Anthony.</i>	Alabama.
120	iii	20	fusco-cincta <i>Anthony.</i>	Alabama.
121	iii	21	plena <i>Anthony.</i>	Alabama.
122	iii	22	compacta <i>Anthony.</i>	Alabama.
123	iii	23	glans <i>Anthony.</i>	Tennessee.
123	iii	24	planospira <i>Anthony.</i>	Tennessee.
124	iii	25	undosa <i>Anthony.</i>	Nolen river, Ky.
125	iii	26	consanguinea <i>Anthony.</i>	Indiana.
126	iii	27	coronilla <i>Anthony.</i>	Tennessee.
127	iii	28	corpulenta <i>Anthony.</i>	Alabama.
128	iii	29	neglecta <i>Anthony.</i>	Dayton, Ohio.
129	i	5	gracillor <i>Anthony.</i>	Stark, Co., Ohio.
<i>M. gracilis</i> <i>Anthony, preoc.</i>				

Redfield.—Descriptions of new species of Shells: by JOHN H. REDFIELD. (From same, April, 1854.)

Pa.	Pl.	Fig.	Name.	Locality.
130	i	6	Anculosa Anthonyi <i>Budd MS.</i>	Holston riv., Knoxville, Ten.

Anthony.—Descriptions of new species of Ancyclus and Anculosa from the Western States of North America: by JOHN G. ANTHONY. (From same, October, 1855.)

Page.	Plate.	Fig.	Name.	Locality.
158	v	20-21	Ancyclus elatior <i>Anthony.</i>	Green river, Ky.
158	v	22-23	Anculosa ampla <i>Anthony.</i>	Alabama.

Redfield.—Descriptions of two new species of North American Helicidæ: by JOHN H. REDFIELD. (From same, Dec., 1856.)

Page.	Plate.	Fig.	Name.	Locality.
170	ix	8-10	Helix Elliotti <i>Redfield.</i>	Georgia and N. C.
171	ix	4-7	barbigera <i>Redfield.</i>	Habersham Co., Ga.

Wailes.—Catalogue of Mollusca: by B. L. C. WAILES. (From Geological Report of Mississippi, 1854.)

Page.		Page.	
338	Unio anodontoides.	338	Unio circulus.
338	asperrimus.	338	globosus.
338	cylindricus.	338	glans.

Page		Page	
338	<i>Unio hydranus.</i>	338	<i>Unio rectus.</i>
338	<i>heros.</i>	338	<i>siliquoides.</i>
338	<i>inflata.</i>	338	<i>subovatus.</i>
338	<i>lens.</i>	338	<i>trapezoides.</i>
338	<i>Mississippiensis.</i>	338	<i>trigonius.</i>
338	<i>multiplicatus.</i>	338	<i>tuberculatus.</i>
338	<i>nodiferus.</i>	338	<i>Anodonta grandis.</i>
338	<i>nobilis.</i>	338	<i>plana.</i>
338	<i>nasutus.</i>	338	<i>suborbiculatus.</i>
338	<i>nodulatus.</i>	338	<i>decora.</i>
338	<i>obesus.</i>	338	<i>Stewartiana.</i>
338	<i>plicatus.</i>	339	<i>Helix alternata.</i>
338	<i>perplicatus.</i>	339	<i>auriculata.</i>
338	<i>porrectus.</i>	339	<i>fraterna.</i>
338	<i>purpuratus.</i>	339	<i>hirsuta.</i>
338	<i>pustulosus.</i>	339	<i>interna.</i>
338	<i>pustulatus.</i>	339	<i>pulchella.</i>
338	<i>quadrulus.</i>	339	<i>tridentata.</i>

Bland.—Descriptions of two new species of North American Helicidæ: by THOMAS BLAND. (From Annals N. Y. Lyceum, February, 1858.) And, Remarks on certain species of North American Helicidæ.

[These papers are also printed in pamphlet form, with the title of "Remarks on certain species of North American Helicidæ, with descriptions of new species." New York: H. Baillière. The original work and pamphlet are both quoted. The numbering of the plate is the same in each.]

February, 1858.

ANNALS.				REMARKS.		Name.
Vol.	Page.	Pl.	Fig.	Pt.	Page.	
vi	277	ix	14-16	1	1	<i>Helix Edvardsi</i> Bland. Fayette or Green Briar Co., Va.
vi	279	ix	11-13	1	3	<i>sculptilis</i> Bland. Anantehely Mountains, N. C.
vi	283	ix	17-20	1	7	<i>fatigiata</i> Say. <i>H. Dorfeuilliana</i> Desh. <i>Texasiana</i> Desh.
vi	288	ix	21-23	1	12	<i>Troostiana</i> Lea. <i>H. fatigiata</i> Binney. <i>plicata</i> Binney. <i>Polygyra Troostiana</i> Lea.

ANNALS.				REMARKS.		Name.
Vol.	Page.	Pl.	Fig.	Pt.	Page.	
vi	291	ix	27-30	1	15	Helix Hazardi Bland. <i>Polygyra plicata</i> Say. <i>Troostiana</i> W. G. Binney. <i>H. Texasiana</i> Pfr. <i>Dorfeuilliana</i> Desh. <i>fatigiata</i> Binney.
vi	294	ix	24-26	1	18	Dorfeuilliana Lea. <i>Polygyra Dorfeuilliana</i> Lea. <i>H. fatigiata</i> Binney.
vi	299			1	23	Pennsylvanica Green. <i>H. Mitchelliana</i> Desh.

September, 1858.

ANNALS.				REMARKS.		Name.	Locality.
Vol.	Page.	Pl.	Fig.	Pt.	Page.		
vi	336			1	27	Helix clausa Say. <i>H. Pennsylvanica</i> Pfr. <i>Mitchelliana</i> Chemn.	
vi	339			1	29	Mitchelliana Lea. <i>H. clausa</i> De Kay.	
vi	341			1	31	jejuna Say. <i>H. Mobiliana</i> Lea.	
vi	344			1	34	porcina Say (with a fig.) <i>H. hirsuta</i> Binney. <i>inflecta</i> ?	
vi	348			1	36	pustula Fer. (with a fig.) <i>H. leporina</i> W. G. Binney.	
vi	348			1	39	leporina Gould. <i>H. pustula</i> Pfr. (var.)	
vi	350			1	40	pustuloides Bland. <i>H. pustula</i> Binney, non Fer.	
vi	352			1	42	glaphyra Say (with a fig.)	
vi	358			1	49	albolabris Say. <i>H. major</i> Binney.	

December, 1858.

vii	26	2	55	Helix auriculata Say (fig.)	St. Augustine, Florida.
vii	30	2	59	avara Say (with a fig.)	St. John's river, Fla.
vii	34	2	63	uvulifera Shutl. (fig.)	Corpus Christi. <i>H. florulifera</i> Reeve.
vii	35	2	64	Postelliana Bland (fig.)	Ga., various localities.
vii	37	2	66	auriformis Bland (fig.)	Ga., Texas, Alabama. <i>H. auriculata</i> Binney. <i>avara</i> Reeve.

Trask.—Proceedings of the California Academy of Natural Sciences, vol. i. San Francisco. Dr. J. B. TRASK. (Feb. 1855.)
Descriptions of—

Page.	Name.	Locality.
28	<i>Anodonta Randallii</i> Trask.	Upper San Joaquin.
29	<i>triangularis</i> Trask.	Sacramento river.
29	<i>rotundovata</i> Trask.	Sacramento valley.
30	<i>Alasmodonta Yubaensis</i> Trask.	Yuba river.

Holmes.—Description of a new species of *Ostrea* found living in the waters of the Coast of South Carolina: by FRANCIS S. HOLMES. (Proc. of Elliott Soc. of Nat. Hist. of Charleston, S. C., vol. i. p. 29. June, 1856.)

Page.	Name.	Locality.
29	<i>Ostrea triangularis</i> Holmes.	Edisto river.

Chickering.—List of Marine, Fresh-water, and Land Shells found in the vicinity of Portland, Maine: by J. W. CHICKERING, Jr.

[No date, but published in 1855 or 1856.—W. G. B.]

No.		No.	
	MARINE SHELLS.	26	<i>Chiton albus</i> Mont.
3	<i>Anomia aculeata</i> Gmelin.	27	<i>Emersonii</i> Couth.
4	<i>ephippium</i> Linn.	28	<i>fulminatus</i> Couth.
5	<i>Astarte castanea</i> Say.	29	<i>ruber</i> Lowe.
6	<i>quadrans</i> Gould.	30	<i>Cingula aculeus</i> Gould.
7	<i>undata</i> Gould.	31	<i>arenaria</i> Mont.
13	<i>Buccinum obsoletum</i> Say.	32	<i>latior</i> Mighels.
14	<i>plicosum</i> Menke.	33	<i>minuta</i> Totten.
15	<i>rosaceum</i> Gould.	34	<i>semicostata</i> Mont.
16	<i>trivittatum</i> Say.	35	<i>Cochlodesma Leana</i> Conrad.
17	<i>undatum</i> Linn.	36	<i>Crepidula fornicata</i> Linn.
18	<i>Bulla debilis</i> Gould.	37	<i>plana</i> Say.
19	<i>pertenuis</i> Mighels.	38	<i>Cyprina Islandica</i> Linn.
20	<i>triticea</i> Couth.	39	<i>Dentalium entale</i> Linn.
21	<i>Calyptræa striata</i> Say.	40	<i>Fusus hamiflus</i> Flem.
22	<i>Cardita borealis</i> Conrad.	41	<i>decemcostatus</i> Say.
23	<i>Cardium Islandicum</i> Linn.	42	<i>pygmaeus</i> Gould.
24	<i>pinnulatum</i> Conrad.	43	<i>rufus</i> Mont.
25	<i>Cemoria Noachina</i> Linn.	44	<i>turriculus</i> Mont.

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| No. | | No. | |
| 45 | <i>Lacuna neritoidea</i> Gould. | 91 | <i>Purpura lapillus</i> Linn. |
| 46 | <i>fusca</i> Gould. | 92 | <i>Sanguinolaria fusca</i> Say. |
| 47 | <i>vinota</i> Mont. | 93 | <i>Saxicava distorta</i> Linn. |
| 48 | <i>Littorina pallata</i> Say. | 94 | <i>Scalaria Greenlandica</i>
Chemn. |
| 49 | <i>rudis</i> Don. | 95 | <i>Sigaretus hallotoides</i> Linn. |
| 50 | <i>tenebrosa</i> Mont. | 96 | <i>Skenia serpuloides</i> Mont. |
| 51 | <i>Lucina flexuosa</i> Mont. | 97 | <i>Solemya borealis</i> Totten. |
| 52 | <i>Machera costata</i> Say. | 98 | <i>velum</i> Say. |
| 53 | <i>Mactra gigantea</i> Lam. | 99 | <i>Solen ensis</i> Linn. |
| 54 | <i>Margarita arotica</i> Leach. | 100 | <i>siliqua</i> . |
| 55 | <i>argentata</i> Gould. | 102 | <i>Terebratula caput-ser-</i>
<i>pentis</i> Linn. |
| 56 | <i>cinerea</i> Couth. | 103 | <i>Thracia truncata</i> Mighels. |
| 57 | <i>obscura</i> Couth. | 104 | <i>Trichotropis borealis</i> Sowb. |
| 58 | <i>undulata</i> Sowerby. | 105 | <i>Turritella erosa</i> Couth. |
| 59 | <i>Mesodesma arotata</i> Conrad. | 106 | <i>Velutina lævigata</i> Linn. |
| 60 | <i>Modiola discrepans</i> Mont. | 107 | <i>zonata</i> Gould. |
| 61 | <i>glandula</i> Totten. | 108 | <i>Venus gemma</i> Totten. |
| 62 | <i>modiolus</i> Linn. | 109 | <i>mercenaria</i> Linn. |
| 63 | <i>nexa</i> Gould. | | |
| 64 | <i>plicatula</i> Lam. | | |
| 65 | <i>Mya arenaria</i> Linn. | | |
| 66 | <i>Mytilus edulis</i> Linn. | | |
| 67 | <i>Natica clausa</i> Sowerby. | | |
| 68 | <i>heros</i> Say. | | |
| 69 | <i>immaculata</i> Totten. | | |
| 70 | <i>pusilla</i> Say. | | |
| 71 | <i>triseriata</i> Say. | | |
| 72 | <i>Cascoensis</i> Mighels. | | |
| 73 | <i>delphinodonta</i> Mighels. | | |
| 74 | <i>limatula</i> Say. | | |
| 75 | <i>minuta</i> Gmelin. | | |
| 76 | <i>myalis</i> Couth. | | |
| 77 | <i>Nucula navicularis</i> Couth. | | |
| 78 | <i>Portlandica</i> Hitchcock. | | |
| 79 | <i>proxima</i> Say. | | |
| 80 | <i>sapotilla</i> Gould. | | |
| 81 | <i>tenuis</i> Mont. | | |
| 82 | <i>thraciæformis</i> Storer. | | |
| 83 | <i>Patella alveus</i> Conrad. | | |
| 84 | <i>amena</i> Say. | | |
| 85 | <i>candida</i> Couth. | | |
| 86 | <i>Pecten Islandicus</i> Müll. | | |
| 87 | <i>Magellanicus</i> Gmelin. | | |
| 89 | <i>Pleurotoma decussata</i> Couth. | | |
| 90 | <i>violacea</i> Adams. | | |

FRESH-WATER SHELLS.

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| No. | |
| 110 | <i>Alasmodon arcuata</i> Barnes. |
| 111 | <i>marginata</i> Say. |
| 112 | <i>undulata</i> Say. |
| 113 | <i>Amnicola lustrica</i> Say. |
| 114 | <i>porata</i> Say. |
| 115 | <i>Ancylus rivularis</i> Say. |
| 116 | <i>tardus</i> Say. |
| 117 | <i>Anodon cataracta</i> Say. |
| 118 | <i>implicata</i> Say. |
| 119 | <i>marginata</i> Say. |
| 120 | <i>Cyclas calyculata</i> Drap. |
| 121 | <i>minor</i> Mighels. |
| 122 | <i>partumeia</i> Say. |
| 123 | <i>similis</i> Say. |
| 124 | <i>Limnæa columella</i> Say. |
| 125 | <i>decollata</i> Mighels. |
| 126 | <i>desidiosa</i> Say. |
| 127 | <i>humilis</i> Say. |
| 128 | <i>Paludina decisa</i> Say. |
| 129 | <i>Physa ancillaria</i> Say. |
| 130 | <i>heterostrophæ</i> Say. |
| 131 | <i>hypnorum</i> Drap. |

No.		No.	
132	<i>Planorbis armigerus</i> Say.	146	<i>Helix arborea</i> Say.
133	<i>bicarinatus</i> Say.	147	<i>cellaria</i> .
134	<i>campanulatus</i> Say.	148	<i>electrina</i> Gould.
135	<i>deflectus</i> Say.	149	<i>fraterna</i> Say.
136	<i>exacutus</i> Say.	150	<i>harpa</i> Say.
137	<i>lentus</i> Say.	151	<i>hortensis</i> Müll.
138	<i>parvus</i> Say.	152	<i>labyrinthica</i> Say.
139	<i>trivolvus</i> Say.	153	<i>lineata</i> Say.
140	<i>Unio complanatus</i> Sol.	154	<i>pulchella</i> Müll.
141	<i>ochraceus</i> Say.	155	<i>striatella</i> Anth.
142	<i>radiatus</i> Say.	156	<i>Pupa contracta</i> Say.
		157	<i>curvidens</i> Gould.
		158	Gouldii.
		159	<i>modesta</i> Say.
	LAND SHELLS.	160	<i>Succinea campestris</i> Say.
143	<i>Bulimus lubricus</i> Müll.	161	<i>ovalis</i> Say.
144	<i>Helix albolabris</i> Say.	162	<i>Vitrina pellucida</i> Drap.
145	<i>alternata</i> Say.		

Shaffer.—A complete List of Land and Fresh-water Shells found in the immediate vicinity of Cincinnati, Ohio: by DAVID H. SHAFFER. [No date.]

No.		No.	
1	<i>Unio abruptus</i> Say.	11	<i>Unio cornutus</i> Barnes.
	<i>U. orbiculatus</i> Hildreth.	12	<i>crassus</i> Say.
2	<i>Æsopus</i> Green.		<i>U. ellipsaria</i> Raf.
3	<i>alatus</i> Say.		<i>ellipticus</i> Barnes.
	<i>U. megaptera</i> Raf.		<i>carinatus</i> Barnes.
4	<i>anodontoides</i> (rare) Lea.		<i>ligamentina</i> Lam.
	<i>U. teres</i> Raf.	13	<i>cylindricus</i> Say.
5	<i>catillus</i> (rare) Conrad.		<i>U. naviformis</i> Lam.
	<i>U. coccineus</i> Hildreth.		<i>solenoides</i> Raf.
	<i>Gouldianus</i> (wh'e nacre)	14	<i>ovineatus</i> Barnes.
6	<i>cicatricosus</i> Say. [Ward.		<i>U. nigra</i> Raf.
	<i>U. varicosus</i> Lea.	15	<i>dehiscens</i> Say.
7	<i>circularis</i> Lea.		<i>U. oriens</i> Lea.
	<i>U. lens</i> Lea.	16	<i>donaciformis</i> Lea.
	<i>subrotunda</i> Raf.		<i>U. zig-zag</i> Lea.
8	<i>clavus</i> Lam.	17	<i>ebenus</i> Lea.
	<i>U. scalenia</i> Raf.	18	<i>elegans</i> Lea.
	<i>patulus</i> Lea.	19	<i>ellipsis</i> Lea.
9	<i>compressus</i> Lea.	20	<i>flavus</i> Raf.
	<i>Symphonata compressa</i> Lea.		<i>U. rubiginosus</i> Lea.
10	<i>Cooperianus</i> Lea.		<i>trigonis</i> Lea.

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|-----|---|-----|---|
| No. | | No. | |
| 21 | Unio flexuosus (male) Raf.
<i>U. foliatus</i> (female) Hild. | 42 | Unio politus Say.
<i>U. subrotundus</i> Lea. |
| 22 | fragosus Conrad. | 43 | pustulosus Lea.
<i>U. verrucosus albus</i> Hildreth. |
| 23 | gibbosus Barnes.
<i>U. nasutus</i> Lam.
<i>dilatata</i> Raf.
<i>arctior</i> (whitenaore) Lea. | 44 | pyramidatus Lea.
<i>U. obliqua</i> Lam. |
| 24 | Hildrethianus Lea. | 45 | rangianus Lea. |
| 25 | glans Lea. | 46 | rectus Lam.
<i>U. prelongus</i> Barnes.
<i>latissima</i> Raf. |
| 26 | gracilis Barnes.
<i>Symphonata gracilis</i> Lea. | 47 | retusus Lam.
<i>U. torsa</i> Raf. |
| 27 | iris Lea.
<i>U. subrostratus</i> Say. | 48 | rugosus Barnes.
<i>U. quadrula</i> Raf.
<i>lachrymosus</i> Lea.
<i>asperrimus</i> Lea. |
| 28 | irroratus Lea.
<i>U. stegaria</i> Raf. | 49 | Sayti (rare) Ward. |
| 29 | laevissimus Lea.
<i>Symph. laevissima</i> Lea. | 50 | securis Lea.
<i>U. depressa</i> Raf. |
| 30 | lapillus Say.
<i>U. fabalis</i> Lea. | 51 | siliquoideus Barnes.
<i>U. luteolus</i> Lam.
<i>inflatus</i> (fem.) Barnes. |
| 31 | monodontus Say.
<i>U. soleniformis</i> Lea. | 52 | solidus Lea.
<i>U. myteloides</i> Raf. |
| 32 | multiradiatus Lea.
<i>U. fasciola</i> Raf. | 53 | sulcatus (male) Lea. [Say.
<i>U. ridibundus</i> (female, rare)] |
| 33 | nodosus Barnes.
<i>U. metenevra</i> Raf. | 54 | triangularis Barnes.
<i>U. formosus</i> (male) Lea.
<i>triqueter</i> Raf. |
| 34 | nodulatus Raf.
<i>U. pustulatus</i> Lea. | 55 | trigonis Lea.
<i>U. rubiginosis</i> (rare) Lea. |
| 35 | ovatus Say. | 56 | tuberculatus Barnes.
<i>U. tuberculosus</i> Valen.
<i>verrucosa</i> Raf. |
| 36 | parvus Barnes. | 57 | undatus Barnes.
<i>U. caridiacea</i> Say.
<i>pyramidatus</i> Lea. |
| 37 | perplexus Lea.
<i>U. gibbosa</i> Raf. | 58 | undulatus Barnes.
<i>U. heros</i> Say.
<i>multiplicatus</i> Lea. |
| 38 | personatus (fem., rare) Say.
<i>U. capillaris</i> (female) Lea.
<i>pileus</i> (male) Lea. | 59 | ventricosus Barnes.
<i>U. cardium</i> Raf.
<i>occidens</i> (female) Lea.
<i>subovatus</i> (male) Lea. |
| 39 | phaseolus Hildreth.
<i>U. planulatus</i> Lea.
<i>camelus</i> Lea. | | |
| 40 | planus Barnes.
<i>U. tenuissimus</i> Lea.
<i>velum</i> (female) Say.
<i>leptodon</i> Raf. | | |
| 41 | plicatus Say.
<i>U. costata</i> Raf.
<i>raripectata</i> Lam.
<i>undulatus</i> Deshayes. | | |

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|-----|--|-----|--|
| No. | | No. | |
| 60 | <i>Unio verrucosus</i> Barnes.
<i>U. tuberculata</i> Raf.
<i>graniferus</i> Lea. | 25 | <i>Helix lineata</i> (rare) Say. |
| 61 | <i>Alasmodonta calceola</i> Lea.
<i>A. deltoidea</i> Lea. | 26 | <i>minuta</i> Say.
<i>H. pulchella</i> Binney. |
| 62 | <i>complanata</i> Barnes. | 27 | <i>miniuscula</i> Lea. |
| 63 | <i>rugosa</i> Barnes.
<i>A. costata</i> Raf. | 28 | <i>minutissima</i> Lea. |
| 64 | <i>truncata</i> Say. | 29 | <i>multilineata</i> Say. |
| 65 | <i>Anodonta edentula</i> Say.
<i>A. areolata</i> Swainson. | 30 | <i>Michelliana</i> Lea. |
| 66 | <i>Perussaciana</i> Lea. | 31 | <i>Pennsylvanica</i> Green. |
| 67 | <i>imbecillis</i> Say.
<i>A. incerta</i> Lea. | 32 | <i>perspectiva</i> Say. |
| 68 | <i>pavonia</i> Lea.
<i>A. Wardiana</i> (rare) Lea. | 33 | <i>palliat</i> Say. |
| 69 | <i>plana</i> Lea.
<i>A. decora</i> (young) Lea.
<i>grandis</i> Say. | 34 | <i>profunda</i> Say. |
| | <i>Ancylus rivularis</i> Say. | 35 | <i>runderata</i> Binney.
<i>H. striatella</i> Athony. |
| 1 | <i>Helix albolabris</i> Say. | 36 | <i>solitaria</i> Say. |
| 2 | <i>alternata</i> Say. | 37 | <i>suppressa</i> (rare) Say. |
| 3 | <i>appressa</i> (rare) Say. | 38 | <i>thyroidea</i> Say. |
| 4 | <i>arborea</i> Say. | 39 | <i>tridentata</i> Say. |
| 5 | <i>chersina</i> (rare) Say. | 40 | <i>zeleta</i> Say. |
| 6 | <i>clausa</i> Say. | 1 | <i>Pupa armifera</i> Say. |
| 7 | <i>concava</i> Say. | 2 | <i>exigua</i> Say. |
| 8 | <i>diodonta</i> (rare) Say. | 3 | <i>ovata</i> Say. |
| 9 | <i>elevata</i> Say. | 4 | <i>pentodon</i> Say. |
| 10 | <i>electrina</i> Gould. | 5 | (unknown). |
| 11 | <i>fallax</i> Say. | 1 | <i>Succinea aurea</i> Lea. |
| 12 | <i>fraterna</i> Say. | 2 | <i>obliqua</i> Say. |
| 13 | <i>fuliginosis</i> (rare) Griffith. | 3 | <i>vermetus</i> Say. |
| 14 | <i>glaphyra</i> (rare) Say. | 1 | <i>Planorbis armigerus</i> Say. |
| 15 | <i>hirsuta</i> Say. | 2 | <i>bicarinatus</i> Say. |
| 16 | <i>indentata</i> Say. | 3 | <i>lens</i> Lea. |
| 17 | <i>inflecta</i> Say. | 4 | <i>lentus</i> Say. |
| 18 | <i>inornata</i> Say. | 5 | <i>parvus</i> Say. |
| 19 | <i>intertexta</i> (rare). | 6 | <i>trivialis</i> Say. |
| 20 | <i>interna</i> Say. | 1 | <i>Cyclostoma lapidaria</i> Say. |
| 21 | <i>labyrinthica</i> Say. | 2 | <i>Cincinnatiensis</i> Carley. |
| 22 | <i>monodon</i> Binney.
<i>H. Leaii</i> . | 1 | <i>Physa elliptica</i> Lea. |
| 23 | <i>liger</i> Say. | 2 | <i>heterostroph</i> Say. |
| 24 | <i>limatula</i> (rare). | 3 | <i>aurea</i> Lea. |
| | | 1 | <i>Lymnea desidiosa</i> Say. |
| | | 2 | <i>elodes</i> Say. |
| | | 3 | <i>exilis</i> Lea. |
| | | 1 | <i>Melania canaliculata</i> Say. |
| | | 2 | <i>conica</i> Say. |
| | | 3 | <i>depygis</i> Say. |
| | | 4 | <i>undulata</i> Say. |
| | | 5 | <i>Sayii</i> Wood. |

No.	No.
6 <i>Melania Virginica</i> Say.	2 <i>Paludina decisa</i> Say.
7 <i>virgata</i> Lea.	3 <i>integra</i> Say.
1 <i>Anculosa costatus</i> Anthony.	4 <i>subcarinata</i> Say.
2 <i>integra</i> Say.	1 <i>Cyclas similis</i> .
3 <i>prærorsa</i> Say. [Clark.	2 <i>rhomboides</i> .
1 <i>Paludina Cincinnatiensis</i>	3 <i>partumea</i> .

W. G. Binney.—Reports of Explorations and Surveys to ascertain the most practicable and economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made under the direction of the Secretary of War in 1854–5, vol. vi, pp. 111–114. Washington, 1857. Report on the Land Shells collected on the Survey: by W. G. BINNEY.

Page.	Page.
111 <i>Helix fidelis</i> Gray.	113 <i>Helix æruginosa</i> Gould.
<i>H. Nuttalliana</i> Lea.	114 <i>Dupetitthouarsii</i> Deshayes.
112 <i>infumata</i> Gould.	<i>H. Oregonensis</i> Lea.

Prime.—Notes on some American Species of *Cyclas* described by Lamarck, Say, Rafinesque, and Linsley: by TEMPLE PRIME, LL. B., Member of the Boston Society of Nat. Hist. Part. I, pp. 4. Lamarck and Say. The Hague, 1857.

Page.	Page.
4 <i>Cyclas sulcata</i> Lam.	4 <i>Cyclas striatula</i> Lam.
<i>C. Saratogea</i> Lam.	<i>C. edentula</i> Say.
<i>similis</i> Say.	<i>modesta</i> Prime.
4 <i>Cyclas cornea</i> Lam., No. 2 = <i>C. partumia</i> .	
4 <i>Cyclas cornea</i> Lam., No. 3 = <i>C. rhomboides</i> .	

Haldeman.—The Iconographic Encyclopædia of Science, Literature, and Art, systematically arranged: by J. G. HECK. Translated from the German, with additions, and edited by SPENCER F. BAIRD, A. M., M. D., &c. Vol. ii. N. Y., 1857.

[The division "Mollusca" (p. 49) contains many important notes on American Mollusca by Prof. S. S. HALDEMAN. The pages devoted to the water-breathing fluviatile univalves are of particular interest, p. 83 et seq.]

Page.	
69 <i>Unionidæ</i> . (Copious notes.)	
83 <i>Anculosa</i> Say = <i>Leptoxis</i> Raf.	



Page.	
84	<i>Melania armigera</i> Say
84	<i>Duttoniana</i> Lea } = <i>Pleurocera</i> Raf.
84	<i>catenoides</i> Lea }
84	<i>Pleurocera</i> (<i>Io</i>). (Description of animal).
84	<i>Io spinosa</i> Lea = <i>Pleurocera fluviatilis</i> Say.
84	<i>Io tenebrosa</i> Lea = <i>Pleurocera fluviatilis</i> Say.
89	<i>Ampullaria</i> . (Animal described.)
90	<i>Physidae</i> . (Notes.)

Ravenel.—Descriptions of three new species of Univalves, recent and fossil: by E. RAVENEL, M. D. (Proceedings of Elliott Society of Natural History of Charleston, S. C., vol i, p. 281. March, 1858.)

Page.	Name.	Locality.
281	<i>Columbella spirantha</i> Rav.	Wande river, S. C.

Higgins.—A Catalogue of the Shell-bearing species of Mollusca inhabiting the vicinity of Columbus, Ohio—with some Remarks thereon: by FRANK HIGGINS. Sept. 1858. [Without descriptions.]

Page.	No.	Name.	Locality.
4	1	<i>Unio alasmodontinus</i> Barnes.	Scioto river & tributaries.
4	2	<i>alatus</i> Say.	Scioto river.
4	3	<i>Bourneianus</i> Lea.	Scioto river.
4	4	<i>cuneatus</i> Barnes.	Scioto river.
4	5	<i>coccinneus</i> Hild.	Scioto river.
4	6	<i>cicatricosus</i> Say.	Scioto river.
4	7	<i>cylindricus</i> Say.	Scioto river.
4	8	<i>crassus</i> Say.	Scioto river.
4	9	<i>circulus</i> Lea.	Scioto river.
		<i>U. lens</i> Lea (young).	
4	10	<i>clavus</i> Lam.	Scioto river.
		<i>U. patulus</i> Lea (young).	
4	11	<i>cornutus</i> Barnes.	Scioto river.
4	12	<i>donaciformis</i> Lea.	Scioto river.
4	13	<i>elegans</i> Lea.	Scioto river.
4	14	<i>ellipsis</i> Lea.	Scioto river.
4	15	<i>Gouldianus</i> Ward.	Scioto river.
4	16	<i>gibbosus</i> Barnes.	Scioto river.
		var. <i>U. arctior</i> Lea.	
4	17	<i>gracilis</i> Barnes.	Scioto river.

Page.	No.	Name.	Locality.
5	18	<i>Unio irroratus</i> Lea.	Scioto river.
5	19	<i>lappilus</i> Say.	Scioto river.
5	20	<i>multiradiatus</i> Lea.	Scioto river.
5	21	<i>phaselosus</i> Hild. var. <i>U. camelus</i> Lea. <i>planantulus</i> Lea.	Scioto river.
5	22	<i>pustulosus</i> Lea.	Scioto river.
5	23	<i>parvus</i> Barnes.	Scioto river & Ohio canal.
5	24	<i>perplexus</i> Lea.	Scioto river.
5	25	<i>plicatus</i> Say.	Scioto river & Ohio canal.
5	26	<i>Rangianus</i> Lea.	Scioto river.
5	27	<i>rubiginosus</i> Lea.	Scioto river & Ohio canal.
5	28	<i>rectus</i> Lam.	Scioto river.
5	29	<i>siliquoidens</i> Barnes.	Scioto river & Ohio canal.
5	30	<i>subrostratus</i> Say.	Scioto river.
5	31	<i>solidus</i> Lea.	Scioto river.
5	32	<i>Sayli</i> Ward.	Scioto river & Ohio canal.
5	33	<i>tuberculatus</i> Barnes.	Scioto river.
5	34	<i>tenuissimus</i> Lea.	Scioto river.
5	35	<i>triangularis</i> Barnes.	Scioto river.
5	36	<i>verrucosus</i> Barnes.	Scioto river.
5	37	<i>ventricosus</i> Barnes. var. <i>U. occidentis</i> Lea. <i>subovatus</i> Lea.	Scioto river.
5	38	<i>Alasmodon ambigua</i> Say.	Scioto river.
5	39	<i>calceola</i> Lea.	Scioto river & Ohio canal.
5	40	<i>truncata</i> Say.	Scioto river.
5	41	<i>rugosa</i> Barnes.	Scioto river & Ohio canal.
5	42	<i>Anodon aerolata</i> Swain.	Scioto river & Ohio canal.
5	43	<i>Buchanensis</i> Lea.	Scioto river & Ohio canal.
5	44	<i>Perussaciana</i> Lea.	Scioto river & Ohio canal.
5	45	<i>imbecilis</i> Say.	Scioto river & Ohio canal.
5	46	<i>pavonia</i> Lea.	Scioto river.
5	47	<i>plana</i> Lea. <i>A. decora</i> Lea (young).	Scioto river & Ohio canal.
5	48	<i>salmonia</i> Lea.	Scioto river.
5	49	<i>Cyclas edentula</i> Say.	Ohio canal.
5	50	<i>occidentalis</i> Prime.	Swamps.
5	51	<i>partumela</i> Say.	Swamps.
5	52	<i>solidula</i> Prime.	Scioto river & Ohio canal.
5	53	<i>similis</i> Say.	Scioto river & Ohio canal.
5	54	<i>rhomboldea</i> Say.	Ohio canal.
5	55	<i>transversa</i> Say.	Scioto river & Ohio canal.
6	56	<i>Pisidium dubium</i> Say.	Scioto river & Ohio canal.
6	57	<i>compressum</i> Prime.	Ohio canal.

Page.	No.	Name.	Locality.
6	58	<i>Pisidium abditum</i> Hald.	Ohio canal.
6	59	<i>ferruginium</i> Prime.	Ohio canal.
6	60	<i>Limnæ caperata</i> Say.	Swamp ditches.
6	61	<i>desoidosa</i> Say.	Swamp ditches.
6	62	<i>humilis</i> Say.	Scioto riv., Ohio can., &c.
6	63	<i>reflexis</i> Say.	Swamps.
6	64	<i>umbrosus</i> Say.	Swamps.
6	65	—— ?	Swamps.
6	66	<i>Physa ancillaria</i> Lea.	Scioto river.
6	67	<i>elongata</i> Say.	Swamp ditches.
6	68	<i>gyrina</i> Say.	Scioto river.
6	69	<i>heterostropha</i> Say.	Scioto riv., Ohio can., &c.
6	70	<i>Planorbis armigerus</i> Say.	Swamp ditches.
6	71	<i>campanulatus</i> Say.	Scioto river.
6	72	<i>bicarinatus</i> Say.	Scioto river & Ohio canal.
6	73	<i>dilitatus</i> Gould.	Swamps.
6	74	<i>parvus</i> Say.	Ohio ca'l, swamp ditches.
6	75	<i>lentus</i> Say.	Scioto river.
6	76	<i>trivolvus</i> Say.	Scioto swamps, Ohio ca'l.
6	77	<i>Ancylus tardus</i> Say.	Scioto river & Ohio canal.
6	78	—— ?	Scioto river.
6	79	<i>Paludina decisa</i> Say.	Scioto river & Ohio canal.
6	80	<i>genicula</i> Conrad.	Scioto river & Ohio canal.
6	81	<i>integra</i> Say.	Scioto river & Ohio canal.
		<i>P. heterostropha</i> Kirtland.	
6	82	<i>rufa</i> Hald.	Scioto river & Ohio canal.
6	83	<i>Amnicola limosa</i> Say.	Ohio canal.
6	84	<i>lapidaria</i> Say.	Moist places.
6	85	<i>Sayana</i> Anthony.	Moist places.
7	86	<i>Valvata tricarinata</i> Say.	Ohio canal.
7	87	<i>Melania depygis</i> Say.	Scioto river.
7	88	<i>inornata</i> Anthony.	Scioto river & Ohio canal.
7	89	<i>gracilor</i> Anthony.	Scioto river.
7	90	<i>exilis</i> Hald.	Scioto river.
7	91	<i>Kirtlandiana</i> Lea.	Scioto river.
7	92	<i>regularis</i> Lea.	Scioto river.
7	93	<i>pulchella</i> Anthony.	Scioto river.
7	94	<i>Sayii</i> Ward.	Scioto river.
7	95	<i>Anculosa isogonia</i> Say.	Ohio canal.
7	96	<i>Zua lubricus</i> Say.	Rocky places.
7	97	<i>Succinea avara</i> Say.	Moist places.
7	98	<i>ovalis</i> Say.	
7	99	<i>obliqua</i> Say.	
7	100	<i>vermetus</i> Say.	
7	101	<i>Pupa armifera</i> Say.	

Page.	No.	Name.	Locality.
7	102	<i>Pupa contracta</i> Say.	Moist places.
7	103	<i>exigua</i> Say.	Moist places.
7	104	<i>fallax</i> Say.	Rocky places.
7	105	<i>vata</i> Say.	Moist places.
7	106	<i>pentodon</i> Say.	Moist places.
7	107	<i>rupicola</i> Gould.	Moist places.
7	108	<i>Helix albolabris</i> Say.	Dry ridges, rocky places.
7	109	<i>alternata</i> Say.	Dry ridges, &c.
7	110	<i>arborea</i> Say.	Dry woodlands.
7	111	<i>chersina</i> Say.	Moist places.
7	112	<i>clausa</i> Say. var. <i>H. Mitcheliana</i> Lea.	Hill-sides, river bottoms.
7	113	<i>concava</i> Say.	Dry ridges, riv. bottoms.
7	114	<i>electrina</i> Gould.	Moist places.
7	115	<i>fallax</i> Say.	Hill-sides, river bottoms.
7	116	<i>fraterna</i> Say.	Hill-sides, river bottoms.
8	117	<i>fuliginosa</i> Griffith.	Rocky places, &c.
8	118	<i>hirsuta</i> Say.	River bottoms, &c.
8	119	<i>hydrophilia</i> Ingalls.	Swamp prairies.
8	120	<i>inflecta</i> Say.	Hill-sides, river bottoms.
8	121	<i>inornata</i> Say.	
8	122	<i>intertexta</i> Say.	Dry woodlands.
8	123	<i>indentata</i> Say.	Woodlands
8	124	<i>lineata</i> Say.	Moist woodlands.
8	125	<i>Leali</i> Ward.	Swamp prairies.
8	126	<i>labyrinthica</i> Say.	Moist places.
8	127	<i>hamatula</i> Ward.	Moist woodlands.
8	128	<i>ligera</i> Say. var. <i>H. Wurdiana</i> Lea.	Moist woodlands.
8	129	<i>minutissima</i> Lea.	Moist places.
8	130	<i>miniscula</i> Binney.	Moist places.
8	131	<i>monodon</i> Rackett.	Hill-sides.
8	132	<i>multilineata</i> Say.	Swamp prairies.
8	133	<i>palliat</i> a Say.	River bottoms.
8	134	<i>perspectiva</i> Say.	Woodlands dry ridges.
8	135	<i>profunda</i> Say.	Hill-sides, river bottoms.
8	136	<i>Pennsylvanica</i> Green.	Hill-sides, river bottoms.
8	137	<i>pulchella</i> Muls.	Gardens in the city.
8	138	<i>solitaria</i> Say.	Dry ridges, &c.
8	139	<i>striatella</i> Anthony.	Moist places.
8	140	<i>suppressa</i> Say.	
8	141	<i>tridentata</i> Say.	Rocky places.
8	142	<i>thyroidea</i> Say.	Dry ridges, &c.
8	143	<i>zaleta</i> Say.	Hill-sides, &c.
8	144	<i>Helicina orbiculata</i> Say.	Swamp prairies.

True.—Shells gathered about Salem, Mass., with particular localities designated and remarks on the species: by JOSEPH TRUE. (Proceed. of the Essex Institute, vol. ii, pt. 1. Salem, 1858. [No descriptions are given.]

Page.		Page.	
188	<i>Teredo navalis.</i>	191	<i>Cardium Islandicum.</i>
188	<i>Pholas dactylus.</i>	191	<i>pinnulatum.</i>
188	<i>crispata.</i>	191	<i>Cardita borealis.</i>
189	<i>Solen ensis.</i>	191	<i>Nucula limatula.</i>
189	<i>Machæra costata.</i>	191	<i>myalis.</i>
189	<i>Solemya velum.</i>	191	<i>minuta.</i>
189	<i>borealis.</i>	191	<i>sapotilla.</i>
189	<i>Glycymeris siliqua.</i>	191	<i>tenuis.</i>
189	<i>Mya arenaria.</i>	191	<i>proxima.</i>
189	<i>Pandora trilineata.</i>	191	<i>Unio complanatus.</i>
189	<i>Osteodesma hyalina.</i>	191	<i>radiatus.</i>
189	<i>Cochleodesma Leana.</i>	191	<i>nasutus.</i>
190	<i>Thracia Conradi.</i>	191	<i>Anodon fluviatilis.</i>
190	<i>Maetra solidissima.</i>	191	<i>implicata.</i>
190	<i>lateralis.</i>	191	<i>Mytilus edulis.</i>
190	<i>ovalis.</i>	191	<i>pellucidus.</i>
190	<i>Mesodesma arcata.</i>	192	<i>Modiola modiolus.</i>
190	<i>Montacuta bidentata.</i>	192	<i>plicatula.</i>
190	<i>Kellia rubra.</i>	192	<i>discrepans.</i>
190	<i>Saxicava distorta.</i>	192	<i>glandula.</i>
190	<i>Petricola pholadiformis.</i>	192	<i>Pecten Islandicus.</i>
190	<i>Sanguinolaria fusca.</i>	192	<i>Magellanicus.</i>
190	<i>Tellina tenera.</i>	192	<i>concentricus.</i>
190	<i>Lucina filosa Stimpson.</i>	192	<i>Anomia ephippium.</i>
190	<i>flexuosa.</i>	192	<i>aculeata.</i>
190	<i>Cyclas elegans.</i>	192	<i>squamula.</i>
190	<i>truncata.</i>	192	<i>Terebratula caput-ser-</i>
190	—.	<i>pentis.</i>	
190	<i>Plaidium dubium.</i>	192	<i>Chiton fulminatus.</i>
190	<i>pusillum.</i>	192	<i>ruber.</i>
190	<i>minus.</i>	192	<i>albus.</i>
191	<i>Astarte castanea.</i>	192	<i>Emersonianus.</i>
191	<i>sulcata.</i>	192	<i>Lottia testudinalis.</i>
191	<i>quadrans.</i>	192	<i>alveus.</i>
191	<i>Cyprina Islandicus.</i>	192	<i>Dentalium dentale.</i>
191	<i>Cytherea convexa.</i>	192	<i>Cemoria Noachina.</i>
191	<i>Venus mercenaria.</i>	192	<i>Crepidula fornicata.</i>
191	<i>gemma.</i>		(Not finished.)

Say—W. G. Binney.—The Complete Writings of THOMAS SAY on the Conchology of the United States: edited by W. G. BINNEY. New York, 1858.

[Under this title are collected all the descriptions and figures of recent shells published by Mr. Say. In the following tables reference is given to the original publications and to the reprint.—W. G. B.]

Say.—1. The article "Conchology." (From the American edition of Nicholson's Encyclopedia of Arts and Sciences, vol. ii. First edition. Philadelphia, 1816.)

[There is no paging. I am indebted to the kindness of Mr. S. Hanley for the date and references to this edition. I have never been able to obtain access to a copy of it, though I have searched for it in all the principal libraries of Boston, New York, and Philadelphia. The second and third editions are common. The original manuscript is preserved in the library of the Philadelphia Academy of Natural Sciences. This paper was also distributed separately with a distinct title-page, "Descriptions of Land and Fresh-water Shells of the United States."—W. G. B.]

NICH. ED.		BINNEY'S ED.		Name.	Locality.
Pl.	Fig.	Pl.	Fig.		
i	1	5	lxi	<i>Helix albolabris</i> Say.	
iv	4	5	lxxii	<i>arborea</i> Say.	
ii	1	6	lxx	<i>tridentata</i> Say.	Middle States.
i	2	6	lxi	<i>alternata</i> Say.	
i	3	6	lxi	<i>glaphyra</i> Say.	Mr. Ord's garden, Phila.
i	7	47	lxi	<i>Limnæa subcarinata</i> Say.	
ii	4	47	lxx	<i>virginica</i> Say.	
ii	5	48	lxx	<i>vivipara</i> Say.	Lakes.
				<i>Helix vivipara.</i>	
ii	6	49	lxx	<i>decisa</i> Say.	
ii	3	45	lxx	<i>ostascopeum</i> Say.	Delaware river, &c.
		46		<i>jugularis</i> Say.	
i	6	46	lxi	<i>heterostropha</i> Say.	
ii	2	44	lxx	<i>Planorbis trivolvis</i> Say.	Lake Erie.
i	4	44	lxi	<i>bicaratus</i> Say.	
i	5	45	lxi	<i>pervus</i> Say.	Delaware river.
iv	5	7	lxxii	<i>Odostomia corticaria</i> Say.	
i	8	49	lxi	<i>Unio crassus</i> Say.	Ohio, &c.
		50		<i>plicatus</i> Say.	Lake Erie.
iii	1	50	lxxi	<i>purpureus</i> Say.	Delaware river, &c.
		50		<i>ovatus</i> Say.	Ohio, &c.
iii	2	51	lxxi	<i>cariosus</i> Say.	Delaware & Schuylkill.

NICH. ED.		BINNEY'S ED.		Name.	Locality.
Pl.	Fig.	Pl.	Fig.		
II	8	51	lxx	<i>Unio ochraceus</i> Say.	Delaware & Schuylkill.
IV	1	52	lxxii	<i>nasutus</i> Say.	Delaware & Schuylkill.
IV	2	52	lxxii	<i>alatus</i> Say.	Lake Erie.
IV	3	52	lxxii	<i>cylindricus</i> Say.	Wabash river.
III	3	53	lxxi	<i>undulatus</i> Say =	Delaware & Schuylkill.
				<i>Monodonta</i> Say (n. g.)	
III	4	53	lxxi	<i>Anodonta cataraeta</i> Say.	
III	5	53	lxxi	<i>marginata</i> Say.	
III	6	54	lxxi	<i>undulata</i> Say.	
I	9	54	lxix	<i>Cyclas similis</i> Say.	Delaware.
I	10	55	lxix	<i>dubia</i> Say.	Delaware.

Say.—2. The second edition of the same (vol. iv, 1818) contains the article "Conchology." The references to the plates and localities, being the same as in the first edition, are not repeated. The pages are not numbered.

P. of repr.		P. of repr.	
5	<i>Helix albolabris</i> Say.	7	<i>Odostomia corticaria</i> Say.
5	<i>thyroidus</i> Say.	49	<i>Unio crassus</i> Say.
5	<i>arboreus</i> Say.	50	<i>plicatus</i> Say.
6	<i>tridentata</i> Say.	50	<i>purpureus</i> Say.
6	<i>alternata</i> Say.	50	<i>ovatus</i> Say.
	<i>H. radiata</i> Gmel.	51	<i>cariosus</i> Say.
	<i>Cochlea umbilicata</i> , &c.		<i>Musculus latior</i> , &c. List.
7	<i>glaphyra</i> Say. [Lister.	51	<i>ochraceus</i> Say.
44	<i>Planorbis trivolvis</i> Say.	52	<i>nasutus</i> Say.
	<i>Cochlea trium orbium</i> , &c.		<i>Musculus fuscus</i> , &c. List.
	Lister.	52	<i>alatus</i> Say.
44	<i>bicarinatus</i> Say.	52	<i>cylindricus</i> Say.
45	<i>parvus</i> Say.	53	<i>Monodonta</i> Say (n. g.)
45	<i>Lymnæa catascopium</i> Say.	53	<i>undulatus</i> Say.
46	<i>jugularis</i> Say.	53	<i>Anodonta cataraeta</i> Say.
46	<i>heterostropha</i> Say.	53	<i>marginata</i> Say.
47	<i>subcarinata</i> Say.	53	<i>undulata</i> Say.
47	<i>virginica</i> Say.	54	<i>Cyclas similis</i> Say.
48	<i>vivipara</i> Linn.	55	<i>dubia</i> Say.
49	<i>decisa</i> Say.		

Say.—3. The third edition of the same, published in Philadelphia, 1819 (vol. iv.), has the following species in addition to those contained in the second edition. A few generic names are changed, the species being in these cases repeated below.

P. of repr.	Name.	Locality.
7	<i>Helix labyrinthica</i> Say.	
7	<i>hirsuta</i> Say.	
7	<i>perspectiva</i> Say.	Lake Erie.
7	<i>lineata</i> Say.	Philadelphia.
7	<i>Polygyra</i> Say (n. g.)	
7	<i>auriculata</i> Say.	Florida.
7	<i>avara</i> Say.	Florida.
7	<i>septemvolva</i> Say.	Georgia and Florida.
7	<i>Oligyra</i> Say (n. g.)	
7	<i>orbiculata</i> Say.	East Florida.
56	<i>Planorbis glabratus</i> Say.	South Carolina.
56	<i>Lymnæa columella</i> Say.	
7	<i>Succinea campestris</i> Say.	Georgia and Florida.
7	<i>ovalis</i> Say.	
56	<i>Cyclostoma tricarinata</i> Say.	Delaware river.
56	<i>Ancylus rivularis</i> Say.	
56	<i>Paludina limosa</i> Say.	Delaware and Schuylkill.
56	<i>lapidaria</i> Say.	
47	<i>subcarinata</i> Say.	
	(<i>Lymnæa</i> , 1st edition.)	
47	<i>virginica</i> Say.	Lakes.
	(<i>Lymnæa</i> , 1st edition.)	
48	<i>vivipara</i> Linn.	
	(<i>Lymnæa</i> , 1st edition.)	
48	<i>dissimilis</i> Say.	Pennsylvania.
49	<i>decisa</i> Say.	
	(<i>Lymnæa</i> , 1st edition.)	
7	<i>Pupa corticaria</i> Say.	
	(<i>Odostomia</i> Say, 1st edition.)	
7	<i>Polyphemus glans</i> Say.	
56	<i>Alasmodonta</i> Say (n. g.)	
	(<i>Monodonta</i> Say, 1st edition.)	
56	<i>marginata</i> Say.	
53	<i>undulata</i> Say.	
	<i>Monodonta undulata</i> Say, 1st ed.	
56	<i>Cyrena Carolinensis</i> Bosc.	Georgia, S. C., Florida.
	<i>Cyclas Carolinensis</i> Bosc.	

Say.—4. On the Genus *Ocythoë*: being an extract of a letter from THOS. SAY, Esq., of Philadelphia, to WM. ELFORD LEACH, M. D., F. R. S. (From the Philosophical Transactions of the Royal Society, 1819, p. 107.)

P. of repr.	Name.	Locality.
56	<i>Ocythoë punctata Say.</i>	Atlantic ocean, near N. A. coast.

Say.—5. Numerous Articles from the Journal of the Academy of Natural Sciences of Philadelphia.

Vol. I. May, 1817.—Description of seven species of American Fresh Water and Land Shells, not noticed in the systems.

Page of Jour.	Page of reprint.	Name.	Locality.
13	59	<i>Cyclostoma tricarinata Say.</i>	Delaware river.
13	59	<i>lapidaria Say.</i>	
14	60	<i>Lymnæa columella Say.</i>	
15	8	<i>Succinea ovalis Say.</i>	

June, 1817.—The same concluded.

17	8	<i>Helix hirsuta Say.</i>	
18	9	<i>perspectiva Say.</i>	Lake Erie.
18	9	<i>lineata Say.</i>	Philadelphia.

October, 1817.—Descriptions of new species of Land and Fresh Water Shells of the United States.

123	9	<i>Helix thyroideus Say.</i>	
123	10	<i>minuta Say.</i>	
124	10	<i>labyrinthica Say.</i>	
125	60	<i>Ancylus rivularis Say.</i>	
125	61	<i>Paludina limosa Say.</i>	Del. and Schuyl. rivs.

June, 1818.—Account of two new genera, and several new species, of Fresh Water and Land Shells.

276	10	<i>Polygyra Say (n. g.)</i>	.
277	10	<i>auriculata Say.</i>	Florida.
277	11	<i>avara Say.</i>	Florida.
278	11	<i>septemvolva Say.</i>	Florida and Georgia.
280	61	<i>Planorbis glabratus Say.</i>	South Carolina.
281	12	<i>Succinea campestris Say.</i>	East Florida.
282	13	<i>Polyphemus glans Brug.</i>	Louisiana to Georgia.
283	13	<i>Olygyra Say (n. g.)</i>	
283	13	<i>orbiculata Say.</i>	East Florida.

December, 1818.—Description of a new genus of Fresh Water Bivalve Shells.

Page of Jour.	Page of reprint.	Name.	Locality.
459	62	<i>Alasmodonta Say.</i> (<i>Monodonta Say</i> , preoc.)	
459	62	<i>marginata Say.</i>	Soloto river.
	62	<i>undulata Say (Monodonta.)</i>	

Vol. II. January, 1821.—Descriptions of Univalve Shells of the United States.

150	15	<i>Helix multilineata Say.</i>	Illinois and Missouri.
151	15	<i>appressa Say.</i>	Ohio and Missouri rive.
152	16	<i>palliat a Say.</i>	Illinois and Ohio.
153	16	<i>inflecta Say.</i>	Lower Missouri.
154	17	<i>clausa Say.</i>	Illinois.
154	17	<i>obstricta Say.</i>	Ohio.
154	17	<i>elevata Say.</i>	Ohio.
155	18	<i>interna Say.</i>	Lower Missouri.
156	18	<i>chersina Say.</i>	Sea islands of Georgia.
156	18	<i>gularis Say.</i>	Ohio, Pennsylvania.
157	19	<i>liger a Say.</i>	Missouri.
157	19	<i>solitaria Say.</i>	Lower Missouri.
158	19	<i>jejuna Say.</i>	Southern States.
159	20	<i>concava Say.</i>	Illinois and Missouri.
159	20	<i>dealbata Say.</i>	Missouri and Alabama.
160	20	<i>profunda Say.</i>	B'ks of Ohio, Miss., Mo.
161	21	<i>albolabris Say.</i>	Council Bluff.
161	21	<i>thyroidus Say.</i>	B'ks of Ohio, Mo., Miss.
161	21	<i>alternata Say.</i>	B'ks of Ohio, Mo., Miss.
161	21	<i>hirsuta Say.</i>	Council Bluff.
161	21	<i>labyrinthica Say.</i>	Council Bluff.
161	21	<i>minuta Say.</i>	Council Bluff.
161	21	<i>perspectiva Say.</i>	Banks of Missouri, &c.
161	21	<i>Polygyra plicata Say.</i>	Alabama.
162	21	<i>Pupa armifera Say.</i>	Upper Missouri.
163	22	<i>rnpicola Say.</i>	East Florida.
163	22	<i>Succinea ovalis Say.</i>	Missouri.
164	63	<i>Planorbis armigerus Say.</i>	Upper Missouri.
164	63	<i>trivolv is Say.</i>	Council Bluff.
164	63	<i>bicarinatus Say.</i>	Council Bluff.
164	63	<i>parvus Say.</i>	Council Bluff.
164	63	<i>parallelus Say.</i>	Upper Missouri.
165	64	<i>exacuus Say.</i>	Lake Champlain.
166	64	<i>campanulatus Say.</i>	Lake Cayuga.

Page of Jour.	Page of reprint.	Name.	Locality.
167	65	<i>Lymneus elongatus Say.</i>	Upper Missouri.
167	65	<i>columellus Say.</i>	Cold-water creek, Mo.
167	65	<i>reflexus Say.</i>	Lakes Erie & Superior.
168	66	<i>appressus Say.</i>	Lake Superior.
169	66	<i>elodes Say.</i>	Canandaigua lake, &c.
169	66	<i>desidiosus Say.</i>	Cayuga lake.
170	67	<i>macrostomus Say.</i>	Cayuga lake.
170	67	<i>emarginatus Say.</i>	Maine.
171	67	<i>Physa gyrina Say.</i>	Missouri.
171	68	<i>elongata Say.</i>	Illinois.
172	68	<i>heterostropha Say.</i>	Council Bluff.
172	68	<i>Cyclostoma marginata Say.</i>	Upper Missouri.
173	68	<i>Valvata tricarinata Say.</i>	Council Bluff.
173	68	<i>Paludina ponderosa Say.</i>	Ohio river.
174	69	<i>integra Say.</i>	Missouri.
174	69	<i>porata Say.</i>	Cayuga lake.
175	69	<i>lustrica Say.</i>	Cayuga lake.
175	69	<i>Melania canaliculata Say.</i>	Ohio river.
176	70	<i>elevata Say.</i>	Ohio river.
176	70	<i>conica Say.</i>	Ohio river.
177	70	<i>prærosa Say = Anculotus (n. g.)</i>	Ohio river.
178	71	<i>armigera Say.</i>	Ohio river.
178	71	<i>Bulla fluviatilis Say.</i>	Delaware river.

June, 1822.—An account of some of the Marine Shells of the United States, p. 221.

223	73	<i>Patella amœna Say.</i>	New England.
224	73	<i>Fissurella alternata Say.</i>	Maryland, &c.
225	73	<i>Crepidula fornicata.</i>	
225	74	<i>depressa Say.</i>	Southern coast.
226	74	<i>glauca Say.</i>	
226	74	<i>plana Say.</i>	New Jersey to Florida.
227	74	<i>intorta (var. ?) Say.</i>	Southern coast.
227	75	<i>convexa Say.</i>	
228	75	<i>Oliva mutica Say.</i>	Southern coast.
229	75	<i>Buccinum ornatum Say.</i>	East Florida.
230	76	<i>Columbella avara Say.</i>	Maryland and south.
231	77	<i>Nassa vibex Say.</i>	Southern and middle.
231	77	<i>trivittata Say.</i>	Southern and middle.
232	77	<i>obsoleta Say.</i>	
234	78	<i>acuta Say.</i>	Southern coast.
235	79	<i>Cerithium dislocatum Say.</i>	Maryland to Florida.
236	79	<i>Fusus cinereus Say.</i>	Maryland and N. J.
236	80	<i>Ranella caudata Say.</i>	

Page of Jour.	Page of reprint.	Name.	Locality.
237	80	<i>Fulgur pyruloides Say.</i>	Southern coast.
238	81	<i>Pyrula papyratia Say.</i>	Ga., E. Fla., W. Indies.
239	81	<i>Turbo irroratus Say.</i>	New Jersey to Florida.
240	81	<i>canaliculatus Say.</i>	Southern coast.
240	82	<i>palliatum Say.</i>	New England.
241	82	<i>obligatum Say.</i>	Portland, Maine.
241	82	<i>vestitum Say.</i>	Maine.
242	83	<i>Scalaria lineata Say.</i>	Southern coast.
243	83	<i>Turritella alternata Say.</i>	
244	84	<i>impressa Say.</i>	Maryland.
244	84	<i>Turritella bisuturalis Say.</i>	Boston.
245	84	<i>Bulla solitaria Say.</i>	Southern coast.
246	84	<i>Melampus bidentatus Say.</i>	East Florida.
246	85	<i>var. lineatus Say.</i>	
247	85	<i>Natica duplicata Say.</i>	
		<i>N. rugosa Say, olim.</i>	
248	86	<i>heros Say.</i>	New Jersey.
257	87	<i>pusilla Say.</i>	Southern coast.
257	87	<i>Theodoxus reclinatus Say.</i>	East Florida.
258	88	<i>Ostrea semicylindrica Say.</i>	Georgia and Florida.
259	88	<i>Pecten concentricus Say.</i>	N. Jersey, N. England.
260	89	<i>var. borealis Say.</i>	New England.
260	89	<i>dislocatus Say.</i>	Southern coast.
261	89	<i>Pandora trilineata Say.</i>	S'n and middle coast.
262	90	<i>Avicula hirundo Say.</i>	S'n coast, W. Indies.
263	90	<i>Mytilus cubitus Say.</i>	
264	91	<i>lateralis Say.</i>	Southern coast.
265	91	<i>hamatus Say.</i>	Gulf of Mexico.
265	91	<i>Modiola Americana Leach (var.)</i>	Southern coast.
266	92	<i>castanea Say.</i>	Southern coast.
267	92	<i>Arca ponderosa Say.</i>	Southern coast.
268	93	<i>pexata Say.</i>	
268	93	<i>incongrua Say.</i>	
269	93	<i>transversa Say.</i>	
270	94	<i>Nucula proxima Say.</i>	Southern coast.
271	94	<i>Venus notata Say.</i>	N. England to Georgia.
271	95	<i>præparca Say.</i>	
272	95	<i>elevata Say.</i>	Southern coast.
273	95	<i>inequalis Say.</i>	Middle coast.
273	96	<i>castanea Say.</i>	New Jersey.
274	96	<i>Cytherea occulta Say.</i>	Southern coast.
275	96	<i>Tellina alternata Say.</i>	Georgia and Florida.
276	97	<i>polita Say.</i>	Southern coast.
302	98	<i>iris Say.</i>	Southern coast.

Page of Jour.	Page of reprint.	Name.	Locality.
303	98	<i>Tellina flexuosa Say.</i>	Southern coast.
303	98	<i>tenera Say.</i>	New Jersey.
304	99	<i>Psammobia? lusoria Say.</i>	Southern States.
305	99	<i>Donax variabilis Say.</i>	Georgia and Florida.
306	99	<i>fossor Say.</i>	N. J. and Maryland.
307	100	<i>Amphidesma orbiculata Say.</i>	Georgia.
307	100	<i>æqualis Say.</i>	Southern coast.
308	101	<i>punctata Say.</i>	Southern coast.
309	101	<i>Maotra similis Say.</i>	New Jersey, &c.
309	101	<i>lateralis Say.</i>	Whole coast.
310	102	<i>oblonga Say.</i>	Georgia.
310	102	<i>Lutraria lineata Say.</i>	Georgia and Florida.
311	102	<i>canaliculata Say.</i>	Maryland to Florida.
312	103	<i>Corbula contracta Say.</i>	Georgia and Florida.
313	103	<i>Mya acuta Say.</i>	Southern coast.
313	103	<i>mercenaria Say.</i>	
314	104	<i>Anatina papyratia Say.</i>	Southern coast.
315	104	<i>Solen costatus Say.</i>	New Jersey.
316	104	<i>centralis Say.</i>	Southern coast.
316	105	<i>viridis Say.</i>	Southern coast.
317	105	<i>Solemya velum Say.</i>	Southern coast.
319	106	<i>Saxicava distorta Say.</i>	Southern coast.
319	106	<i>Petricola fornicata Say.</i>	
320	107	<i>Pholas oblongata Say.</i>	Georgia to Florida.
321	107	<i>truncata Say.</i>	Southern coast.
322	108	<i>ounelformis Say.</i>	Southern coast.

December, 1822.—Descriptions of Univalve, Terrestrial, and Fluviatile Shells of the United States.

370	23	<i>Helix irrorata Say.</i>	Northumberl'd Co., Pa.
371	24	<i>inornata Say.</i>	Pennsylvania.
372	24	<i>indentata Say.</i>	Pennsylvania, N. J.
373	24	<i>lineata Say.</i>	Near Philadelphia.
373	25	<i>Bulimus multilatus Say.</i>	South Carolina.
374	25	<i>Pupa contracta Say.</i>	Virginia.
375	26	<i>exigua Say.</i>	Harrowgate.
375	26	<i>Vertigo ovata Say.</i>	Harrowgate.
376	27	<i>pentodon Say.</i>	Pennsylvania.
377	27	<i>Melampus obliquus Say.</i>	South Carolina.
378	110	<i>Lymneus humilis Say.</i>	S. C. and Oswego.
378	110	<i>Paludina grana Say.</i>	Pennsylvania.
379	111	<i>Melania catenaria Say.</i>	South Carolina.
380	111	<i>multilineata Say.</i>	Delaware.
380	111	<i>Cyclas rhomboida Say.</i>	Lake Champlain.
380	112	<i>partumela Say.</i>	Germantown.

Vol. IV. September 1825.—On a new species of *Modiola*, p. 368.

Page of Jour.	Page of reprint.	Name.	Locality.
369	112	<i>Modiola opifex</i> Say. Plate xix, fig. 2, a, b; reprint, pl. lxx.	Island of Minorca.

Vol. V. September, 1825.—Descriptions of some new species of
Fresh Water and Land Shells of the United States, p. 119.

119	27	<i>Helix fallax</i> Say.	Philadelphia.
120	28	<i>egena</i> Say.	Above Philadelphia.
120	28	<i>Bulimus multilineatus</i> Say.	Southern Florida.
121	28	<i>Pupa fallax</i> Say.	Milton, Mass.
122	29	<i>Achatina solida</i> Say.	Southern Florida.
122		<i>flammigera</i> Fer.	Southern Florida.
122		<i>vexillum</i> Hum.	Southern Florida.
122	113	<i>Lymneus modicellus</i> Say.	Owego.
123	113	<i>obruusus</i> Say.	Harrowgate.
123	114	<i>pinguis</i> Say.	Del. and Schuylkill.
123	114	<i>galbanus</i> Say (fossil).	New Jersey.
124	114	<i>Physa ancillaria</i> Say.	Easton, Pa., and Conn.
125	29	<i>Cyclostoma dentata</i> Say.	Florida.
125	115	<i>Paludina subglobosa</i> Say.	N. W. Territory.
126	115	<i>Melania simplex</i> Say.	Abingdon, Va.
126	115	<i>proxima</i> Say.	N. and S. Carolina.
128	116	(<i>Anoulotus</i>) <i>subglobosa</i> Say.	Holstein riv., Va.
128	116	<i>Pirena scalariformis</i> Say.	Florida Keys.

November, 1825.

129	117	<i>Fusus fluviatilis</i> Say.	Holstein river.
130	118	<i>Unio subtentus</i> Say.	Holstein river.
130	118	<i>cariosus</i> Say.	Holstein river.
131	119	<i>Alasmodonta ambigua</i> Say.	N. W. Territory.

February, 1826.—Descriptions of Marine Shells recently discovered
on the coast of the United States.

207	118	<i>Delphinula laxa</i> Say.	South Carolina.
207	119	<i>Turritella concava</i> Say.	
208	119	<i>æqualis</i> Say.	
208	119	<i>Scalaria multistriata</i> Say.	Southern coast.
209	120	<i>Infundibulum depressum</i> Say.	South Carolina.
209	120	<i>Natica triseriata</i> Say.	Boston.
211	121	<i>Volvaria canaliculata</i> Say.	South Carolina.
211	121	<i>Nassa uncinata</i> Say.	South Carolina.
212	122	<i>alba</i> Say.	Florida and W. Indies.
213	122	<i>lunata</i> Say.	Southern States.
214	123	<i>Fusus decemcostatus</i> Say.	Boston.
215	123	<i>bicolor</i> Say.	East Florida.

Page of Jour.	Page of reprint.	Name.	Locality.
215	124	<i>Patella alternata Say.</i>	East Florida.
216	124	<i>Calyptraea (Disputaea) striata Say.</i>	New Jersey.
216	124	<i>Venericardia tridentata Say.</i>	South Carolina.
218	125	<i>Tellina intastriata Say.</i>	Florida.
218	126	<i>lateralis Say.</i>	
219	126	<i>decora Say.</i>	Florida.
219	126	<i>Psammobia fusca Say.</i>	Georgia.
220	127	<i>Amphidesma radiata Say.</i>	Georgia and Florida.
221	127	<i>lepida Say.</i>	South Carolina.

Say.—6. Narrative of an Expedition to the Source of the St. Peter's River, &c. &c., under the command of Major STEPHEN H. LONG, vol. ii, Appendix. 1824.

LONG'S EXP.			REPRINT.			Name.	Locality.
Pa.	Pl.	Fig.	Pa.	Pl.	Fig.		
256	xv	1	29	lxxiv	1	<i>Helix harpa Say.</i>	N. W. Territory.
257	xv	2	30	lxxiv	2	<i>porcina Say.</i>	N. W. Territory.
257	xv	3	30	lxxiv	3	<i>fraterna Say.</i>	Pennsylvania.
257	xv	4	30	lxxiv	4	<i>diodonta Say.</i>	New York.
258			31			<i>perspectiva Say.</i>	N. W. Territory.
258			31			<i>arborea Say.</i>	N. W. Territory.
258			31			<i>chersina Say.</i>	N. W. Territory.
258			31			<i>albolabris Say.</i>	Lake Superior.
258			31			<i>alternata Say.</i>	Lake Superior.
258			31			<i>thyroidus Say.</i>	Niagara Falls.
258			31			<i>ligera Say.</i>	N. W. Territory.
258			31			<i>Vitrea pellucida Mull.</i>	Lake Superior.
259			31			<i>Bulimus lubricus Say.</i>	N. W. Territory.
259	xv	5	32	lxxiv	5	<i>Pupa modesta Say.</i>	N. W. Territory.
260	xv	6	32	lxxiv	6	<i>Succinea avara Say.</i>	N. W. Territory.
260	xv	7	32	lxxiv	7	<i>obliqua Say.</i>	Niagara Falls.
261	xv	8	128	lxxiv	8	<i>Planorbis deflectus Say.</i>	N. W. Territory.
262	xv	9	128	lxxiv	9	<i>corpulentus Say.</i>	N. W. Territory.
262			129			<i>campanulatus Say.</i>	Niagara Falls.
262			129			<i>trivolis Say.</i>	N. W. Ter., Nia. F.
262			129			<i>parvus Say.</i>	N. W. Territory.
263			129			<i>armigerus Say.</i>	St. Peter & Red r.
263			129			<i>bicarinatus Say.</i>	N. W. Territory.
263	xv	10	129	lxxiv	10	<i>Lymneus megasomus Say.</i>	N. W. Territory.
263			130			<i>emarginatus Say.</i>	Lake Namekan.
263			130			<i>elongatus Say.</i>	Rainyla., Seiner.
263			130			<i>desidiosus Say.</i>	Falls of Niagara.
264			130			<i>Physa heterostropha Say.</i>	N. W. Territory.
264	xv	11	130	lxxiv	11	<i>Valvata sincera Say.</i>	N. W. Territory.
264			130			<i>Paludina limosa Say.</i>	N. W. Territory.
264	xiv	2	130	lxxiii	2	<i>Ampullaria depressa Say.</i>	East Florida.
265			131			<i>Melania virginica Say.</i>	Falls of Niagara.
265	xiv	3, 4	131	lxxiii	3, 4	<i>Anodonta gibbosa Say.</i>	South Carolina.

Say.—7. Descriptions of some new Terrestrial and Fluvialile Shells of North America, 1829, 1830, 1831. New Harmony, Ind., 1840.

[This consists of a reprint by Mrs. Say of some of the descriptions contained in "The New Harmony Disseminator of Useful Knowledge," and in the "Transylvania Journal of Medicine." It is referred to in the left-hand column of the two succeeding articles.—W. G. B.]

Say.—8. Descriptions of some New Terrestrial and Fluvialile Shells of North America. (New Harmony Disseminator of Useful Knowledge.)

Vol. II, No. 15.—July 29, 1829.

Page of Say's reprint.	Page of N. H. Disse.	Page of Binney's edition.	Name.	Locality.
13	229	36	<i>Helix lucubrata Say.</i>	Mexico.
14	229	36	<i>suppressa Say.</i>	Pennsylvania.
14	229	37	<i>fatigiata (Polygyra) Say.</i>	New Harmony.
24	230	38	<i>Pupa placida Say.</i>	Massachusetts.
23	230	38	<i>Succinea vermata Say.</i>	New Harmony.
24	230	38	<i>undulata Say.</i>	Mexico.
23	230	148	<i>Lymneus caperatus Say.</i>	Indiana.

No. 16.—August 12, 1829.

23	244	148	<i>Lymneus attenuatus Say.</i>	Mexico.
22	244	148	<i>Valvata humeralis Say.</i>	Mexico.
20	244	146	<i>Paludina intertexta Say.</i>	Louisiana.
20	245	145	<i>transversa Say.</i>	Louisiana.
20	245	146	<i>elongata Swainson.</i>	St. John's riv., Fla.
			<i>P. multilineata Say.</i>	
20	245	146	<i>subpurpurea Say.</i>	Fox river.
21	245	147	<i>Ampullaria rotundata Say.</i>	St. John's riv., Fla.

No. 17.—August 28, 1829.

22	260	147	<i>Ampullaria depressa Say = A. paludosa.</i>	
22	260	147	<i>Ampullaria flagellata Say.</i>	Mexico.
16	260	141	<i>Melania nupera Say.</i>	Wabash.
16	260	141	<i>cancellata Say.</i>	Florida.
16	261	142	<i>semicarinata Say.</i>	Kentucky.
17	261	142	<i>undulata Say.</i>	Ohio.
17	261	142	<i>stygia Say.</i>	Cumberland river.

No. 18.—September 9, 1829.

Page of Say's reprint.	Page of N. H. Diss.	Page of Binney's edition.	Name.	Locality.
17	275	143	<i>Melania laqueata Say.</i>	Cumberland river.
18	276	143	<i>obovata Say.</i>	Kentucky river.
18	276	144	<i>integra Say.</i>	Ohio river.
19	227	144	<i>isogona Say.</i>	Bear-grass cr., Louisville.
19	227	144	<i>trilineata Say.</i>	Falls of Ohio.

No. 19.—September 23, 1829.

19	291	145	<i>Melania depygis Say.</i>	Falls of Ohio.
	291	165	<i>Unio heros Say.</i>	Fox river.
	291	225	<i>peruvianus Auct. Am. = U. plicatus.</i>	
5	292	131	<i>cloatricosus Say.</i>	Wabash.
	293	155	<i>monodonta Say.</i>	Falls of Ohio.
5	293	132	<i>velum Say.</i>	Kentucky river.
5	293	132	<i>cardice Say = U. cordata.</i>	
5	283	132	<i>incurvus Say = U. intorta.</i>	

No. 20.—October 7, 1829.

308	131	<i>Unio dehiscens Say.</i>	Wabash.
308	131	<i>ridibundus Say.</i>	Cumberland river.
309	131	<i>personatus Say.</i>	Wabash.
309	131	<i>apiculatus Say.</i>	Near New Orleans.

No. 21.—October 21, 1829.

323	134	<i>Unio radula Say.</i>	
7	324	<i>purpureus Say.</i>	

No. 22.—November 4, 1829.

10	339	137	<i>Alasmodonta sculptilis Say.</i>	Virginia.
	339	131	<i>confragosa Say.</i>	Wabash river.
10	340	137	<i>edentula Say.</i>	Wabash river.
11	340	138	<i>Anodonta implicata Say.</i>	Danvers, Mass.
11	340	138	<i>lugubris Say.</i>	Cumberland river.
12	341	139	<i>grandis Say.</i>	Fox river.

No. 23.—November 18, 1829.

12	355	139	<i>Anodonta impura Say.</i>	Mexico.
13	355	140	<i>imbecillis Say.</i>	Wabash river.
10	356	137	<i>Cyclas edentula Say.</i>	Lake Canandaigua.
10	356	138	<i>transversa Say.</i>	Kentucky.
11	356	138	<i>triangularis Say.</i>	Mexico.

In newspaper form.—December 28, 1831.

P. of Say's reprint.	P. of Binney's edition.	Name.	Locality.
25	39	<i>Bulimus alternatus Say.</i>	Mexico.
25	39	<i>undatus Brug.</i>	Mexico.
25	39	<i>serperastrus Say.</i>	Mexico.
26	40	<i>omeus Say.</i>	Mexico.
15	140	<i>Melania pluristriata Say.</i>	Mexico.

January 15, 1831.

26	149	<i>Ancylus tardus Say.</i>	Wabash river.
6	133	<i>Unio purpuratus Say.</i>	Mexico.
6	133	<i>metallicus Say.</i>	Mexico.
6	134	<i>subrostratus Say.</i>	Wabash.
	132	<i>velum Say.</i>	Kentucky.
26	149	<i>Bulla fluviatilis Say</i> \pm young <i>Planorbis</i> .	

January 29, 1831.

13	140	<i>Anodonta imbecillis Say.</i>	
	161	<i>suborbiculata Say.</i>	Near Wabash river.

Say.—9. Descriptions of several new species of Shells and of a new species of Lumbricus. (Transylvania Journal of Medicine, vol. iv, 1831. Lexington, Ky.)

Page of Say's reprint.	Page of Tr. J. Binney's Med. edition.	Name.	Locality.
525	149	<i>Unio interruptus Say.</i>	See "Amer. Conch." for locality.
526	149	<i>glebulus Say.</i>	
527	149	<i>nexus Say.</i>	
527	149	<i>declivis Say.</i>	
528	149	<i>lapillus Say.</i>	New Harmony, Ind.
15	528	37 <i>Helicina occulta Say.</i>	

Say.—10. American Conchology; or, Descriptions of the Shells of North America. Illustrated by colored figures from original drawings executed from nature. New Harmony, Ind.

[The numbering of the plates is the same in the original and reprint.]

Part I.—1830.

P. of repr.	Pl.	Name.	Locality.
150	i	<i>Astarte castanea Say.</i> <i>Venus castanea Say.</i>	New Jersey.

P. of repr. Pl.	Name.	Locality.
151 ii	Pandora trilineata Say.	S'n & middle coast.
152 iii	Oliva literata Lam.	Southern coast.
153 iv	Unio triangularis Barnes. <i>U. cuneatus</i> Sw.	
154 v	sulcatus Lea. <i>U. flagellatus</i> Say MS.	Wabash & Ohio rive.
154 v	ridibundus Say. var. perplexus .	Cumberland river.
155 vi	monodonta Say.	Wabash & Ohio riva.
156 vii	Delphinula? laxa Say.	Charleston.
157 viii	Melania nupera Say.	Wabash river.
157 viii	depygis Say.	Ohio river.
158 ix	Lutraria lineata Say. <i>L. papyracea</i> Lam.?	N. Jersey to Florida.
159 x	Paludina decisa Say. <i>Cochlea Virginiana</i> , &c. Lister.	
159 x	vivipara Linn. <i>Cochlea vivipara</i> , &c. Lister. <i>Helix vivipara</i> Linn. <i>Nerita vivipara</i> Müll. <i>Cyclostoma vivipara</i> Dr. <i>Le vivipare à bandes</i> Geoff. Cuv.	Florida, S. Carolina.

Part II.—April, 1831.

161 xi	Anodonta suborbiculata Say.	Wabash river.
163 xii	Nucula limatula Say.	Nahant, Mass.
164 xii	lævis Say (fossil).	
164 xii	concentrica Say (fossil).	
33 xiii	Helix albolabris Say. <i>Cochlea Virginiana</i> , &c. Lister.	Canada to S. C.
33 xiii	thyroidus Say. <i>Cochlea umbilicata</i> , &c. Lister. <i>terrestris</i> , &c. Schröter.	
164 xiv	Unio ellipsis Lea.	
165 xv	subtentus Say.	Holstein river, S. C.
165 xvi	undulatus Barnes. <i>U. heros</i> Say.	Fox br. of Wabash.
166 xvii	abruptus Say.	Wabash river.
168 xviii	Solecurtus costatus Say. <i>Solen costatus</i> Say.	Mass. to N. Jersey.
169 xix	Fulgur pyruloides Say. <i>Bulla ficus</i> (var. b) Gmelin. <i>Pyrula spirata</i> Lam. <i>Bulla pyrum</i> Dillw.	South of New Jersey.

P. of repr.	Pl.	Fig.	Name.	Locality.
34	xx		Glandina truncata Gmelin. <i>Buccinum striatum</i> Chemn. <i>Bulla truncata</i> Gmelin. <i>Polyphemus glans</i> Say. <i>Helix rosca</i> Fer. <i>E. flumine</i> , &c. Lister.	S. C., Ga., Fla., Miss.
Part III.—September, 1831.				
171	xxi		Alasmodonta confragosa Say.	Fox br. of Wabash riv., New Orleans.
171	xxii		Unio phaseolus Hildreth. <i>U. cuneatus</i> (var.) Barnes. <i>planulatus</i> Lea.	Wabash river.
173	xxiii		tetralasmus Say.	New Orleans.
173	xxiv		dehiscens Say.	Wabash river.
175	xxv		Sigaretus perspectivus Say.	N. Jersey and South.
176	xxv		maculatus Say.	Southern coast.
177	xxvi		Venus grata Say.	W. coast of Mexico.
179	xxvii		Scalaria clathrus L. <i>Turbo clathrus</i> L. <i>S. communis</i> Lam. <i>clathrus</i> Auct.	
180	xxvii		multistriata Say.	S. Carolina, Florida.
180	xxvii		lineata Say.	Southern coast.
181	xxviii		Amphidesma transversum Say.	Georgia.
182	xxviii		aequale Say.	Charleston, S. C.
183	xxix		Fusus corneus Linn. <i>Murex corneus</i> L. <i>F. Islandicus</i> Martini. <i>Murex Islandicus</i> Gmelin.	New Jersey.
184	xxix		cinereus Say.	Maryland, N. Jersey.
184	xxx	1	Paludina ponderosa Say.	Ohio river.
185	xxx	2	subpurpurea Say.	Fox river.
185	xxx	3, 4	intertexta Say.	New Orleans.
Part IV.—March, 1832.				
187	xxxi	1	Limneus umbrosus Say. <i>L. elongatus</i> Say.	Council Bluff, U. Can.
188	xxxi	2	reflexus Say.	Lake Superior.
188	xxxi	3	elodes Say. <i>L. palustris</i> Lin.?	New York.
188	xxxii		Unio ventricosus Barnes. <i>U. oratus</i> (var. b) Lam. <i>occidens</i> Lea?	Western waters.
189	xxxiii		interruptus Say.	Bayou Teche.

P. of repr.	Pl	Fig.	Name.	Locality.
190	xxxiv		<i>Unio glebulus</i> Say.	Bayou Teche.
190	xxxv		<i>declivis</i> Say.	Bayou Teche.
192	xxxvi	2	<i>Arca staminea</i> Say (fossil).	
192	xxxvi	1	<i>lenosa</i> Say (fossil).	
35	xxxvii	1	<i>Helix clausa</i> Say.	Western States.
35	xxxvii	2	<i>elevata</i> Say.	Western States.
			<i>H. Knoxvilliana</i> Fer.	
36	xxxvii	3	<i>profunda</i> Say.	Western States.
			<i>H. Richardii</i> Lam.	
192	xxxviii		<i>Siphonaria alternata</i> Say.	East Florida.
193	xxxix		<i>Bullina canaliculata</i> Say.	South Carolina.
			<i>Volvaria canaliculata</i> Say.	
194	xl		<i>Cardita tridentata</i> Say.	South Carolina.
			<i>Venericardia tridentata</i> Say.	
			On page 4 of cover—	
195			<i>Alasmodonta fragosa</i> Say.	Bay. Teche, not N. O.
195			<i>Ampullaria urceus</i> L.	Doubtful in the Mississippi.
			<i>A. rugosa</i> Lam.	

Part V.—August, 1832.

195	xli		<i>Unio lapillus</i> Say.	
196	xlii		<i>camptodon</i> Say.	New Orleans.
196	xliii		<i>lugubris</i> Say.	Bayou Teche, La.
			<i>U. ater</i> Lea.	
198	xliv		<i>Crepidula plana</i> Say.	New York to Florida.
199	xlv		<i>Modiola papuana</i> d'Arg.	Maine.
			<i>Musculus papuanus</i> d'Arg.	
			<i>Modiola papuana</i> Lam.	
36	xlvi	1-3	<i>Helicina orbiculata</i> Say.	Florida.
			<i>Olygyra orbiculata</i> Say.	
36	xlvi	4-6	<i>occulta</i> Say.	New Harmony, Ind.
199	xlvii	2	<i>Melania Virginica</i> Gmelin.	Delaware & Schuyl-
			<i>Buccinum Virginicum</i> Gmelin.	kill rivers.
			<i>Paludina Virginica</i> Say.	
			<i>M. fasciata</i> Mke.	
199	xlvii	2	<i>multilineata</i> Say.	Philadelphia & N. J.
			<i>M. curta</i> Mke.	
200	xlvii	4	<i>semicarinata</i> Say.	Kentucky.
200	xlvii	1	<i>laqueata</i> Say.	Cumberland river.
200	xlviii		<i>Ranella caudata</i> Say.	
201	xlix	1	<i>Cerithium muscarum</i> Say.	Florida.
202	xlix	2	<i>septemstriatum</i> Say.	Florida.
203	xlix	3	<i>ferrugineum</i> Say.	Florida.

P. of repr.	Pl.	Fig.	Name.	Locality.
204	1		<i>Mytilus hamatus</i> Say. <i>M. striatus</i> Barnes.	Gulf of Mexico.
205			On page 4 of cover— <i>Sigaretus perspectivus</i> <i>maculatus</i> } = <i>Cryptostoma</i> .	
205			<i>Unio glebulus</i> Say.	Bayou Teche.
205			<i>Venericardia cribraria</i> Say.	New Jersey.
Part VI.—April, 1834.				
205	II		<i>Unio nexus</i> Say. <i>U. arciformis</i> Lea.	Tennessee.
207	III		<i>apiculatus</i> Say. <i>U. asper</i> Lea.	New Orleans.
207	III		<i>quadrulus</i> Raf. <i>U. rugosus</i> Barnes. <i>asperimus</i> Lea. <i>lachrymosus</i> Lea.	Ohio & N. Orleans.
210	IIv	1	<i>Planorbis lentus</i> Say.	N. Orleans & Mexico.
210	IIv	2	<i>trivolvus</i> Say. <i>Cochlea</i> &c. Lister.	Canada to Missouri.
210	IIv	3	<i>bicarinatus</i> Say. <i>Helix angulatus</i> Rackett.	Canada to Missouri.
211	lv	1	<i>Limneus emarginatus</i> Say.	Canada and Maine.
211	lv	2	<i>catascopium</i> Say.	Penn'a and N. Y.
211	lv	3	<i>decidiosus</i> Say.	N. Y., Pa., and Ind.
218	lvi	1	<i>Pecten Islandicus</i> Müller. <i>Ostrea Islandica</i> Müller. <i>cinnabarina</i> Born. <i>Pealeii</i> Conrad.	Northern coast.
214	lvi	2	<i>dislocatus</i> Say.	South Carolina.
216	lvii	1	<i>Nassa uncinata</i> Say.	South Carolina.
216	lvii	2	<i>vibex</i> Say.	S. Carolina and N. J.
216	lvii	3	<i>acuta</i> Say.	Southern coast.
218	lviii		<i>Ostrea equestris</i> Say.	S. C., Ga., Antilles.
219	lix		<i>Cytherea albaria</i> Say (fossil).	South Carolina.
222	lx	1	<i>Petricola pholadiformis</i> Lam. <i>P. fornicata</i> Say.	Maine to Florida.
222	lx	2	<i>dactylus</i> Sowb. <i>P. flagellata</i> Say.	South Carolina.
222			<i>Cryptostoma</i> Say (n. g.)	
223			<i>perspectivus</i> Say.	
223			<i>maculatus</i> Say.	

[With this number appeared "An attempt to exhibit a Synonymy of the Western North American species of the genera *Unio* and *Alasmodonta*." The list is here given, the paging referring to the reprint.—W. G. B.]

Page.	No.		Page.	No.	
223	1	<i>Unio niger</i> Raf. <i>U. cuneatus</i> Barnes.	224	16	<i>Unio truncatus</i> Raf. <i>U. undatus</i> B., var. a. <i>elegans</i> Lea.
223	2	<i>cariosus</i> Say. <i>U. viridis</i> Raf. <i>siliquoides</i> B., var. <i>radiatus</i> ? Gmel.	224	17	<i>interruptus</i> Raf. <i>U. brevidens</i> Lea.
223	3	<i>fasciatus</i> Raf. <i>U. carinatus</i> Barnes.	224	18	<i>lineolatus</i> Raf. <i>U. depressus</i> R., y'ng. <i>securis</i> Lea.
223	4	<i>leptodon</i> Raf. <i>U. planus</i> Barnes. <i>purpurescens</i> Sw. <i>tenuissimus</i> Lea.	224	19	<i>ellipsarius</i> Raf. <i>U. ellipticus</i> Barnes. <i>crassus</i> Say.
223	5	<i>fragilis</i> Raf. <i>U. gracilis</i> Barnes.	224	20	<i>fasciolaris</i> Raf. <i>U. crassus</i> Wood? <i>ponderosus</i> Gray. <i>mucronatus</i> Barnes, young. <i>phaseolus</i> Hildr. <i>planulatus</i> Lea.
223	6	<i>nervosus</i> Raf. <i>U. zig-zag</i> Lea. <i>donaciformis</i> Lea.	224	21	<i>verrucosus</i> Raf. <i>U. tuberculatus</i> Bar.
223	7	<i>laevigatus</i> Raf. <i>U. castaneus</i> ? Lea.	224	22	<i>flavus</i> Raf. <i>U. rubiginosus</i> Lea.
223	8	<i>rectus</i> Lam. <i>U. latissimus</i> Raf. <i>prælongus</i> Barnes.	224	23	<i>cyphius</i> Raf. <i>U. Æsopus</i> Green.
223	9	<i>dilatatus</i> Raf. <i>U. nasutus</i> Lam. <i>gibbosus</i> Barnes.	224	24	<i>metanevrus</i> Raf. <i>U. nodosus</i> Barnes.
224	10	<i>cylindricus</i> Say. <i>U. naviformis</i> Lam. <i>solenoides</i> Raf.	224	25	<i>reflexus</i> Raf. <i>U. cornutus</i> Barnes.
224	11	<i>cardium</i> Raf. <i>U. ventricosus</i> Barnes. <i>occidens</i> Lea. <i>subovatus</i> Lea, var. <i>capax</i> Green, var.	224	26	<i>retusus</i> Raf. <i>U. stapes</i> ? Lea, var.
224	12	<i>ovatus</i> Say.	224	27	<i>flexuosus</i> Raf. <i>U. pileus</i> Lea?
224	13	<i>fasciolus</i> Raf. <i>U. multiradiatus</i> Lea.	224	28	<i>nodulatus</i> Raf. <i>U. pustulatus</i> Lea.
224	14	<i>alatus</i> Say. <i>U. megapterus</i> Raf.	224	29	<i>quadrulus</i> Raf. <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea. <i>asprissimus</i> Lea.
224	15	<i>triqueter</i> Raf. <i>U. triangularis</i> Bar. <i>cuneatus</i> Sw. <i>formosus</i> Lea, var.	224	30	<i>nodulosus</i> Wood. <i>U. bullatus</i> Barnes. <i>verrucosus</i> B., var.

Page. No.		Page. No.	
	<i>U. verrucosus albus</i> Hildr.	225 44	Unio latus (Anod.) Raf. <i>U. dehiscens</i> Say. <i>oriens</i> Lea.
	<i>pustulosus</i> Lea.	225 45	heros Say. <i>U. undulatus</i> Say. <i>multiplicatus</i> Lea.
224 31	Unio tuberculatus Raf. <i>U. verrucosus</i> Barnes. <i>verrucosus purpureus</i> Hildr. <i>tuberculosis</i> Val.	225 46	lugubris Say. <i>U. ater</i> Lea. <i>atra</i> Desh.
224 32	subrotundus Raf. <i>U. rotundatus?</i> Lam. <i>orbiculatus</i> Hildr. <i>circulus</i> Lea. <i>lens</i> Lea, y'g var.	225 47	interruptus Say. <i>U. trapezoides</i> Lea.
224 33	obliquatus Raf. <i>U. sulcatus</i> Lea.	225 48	apiculatus Say. <i>U. asper</i> Lea.
224 34	triangularis Raf. <i>U. ellipsis</i> Lea.	225 49	lapillus Say. <i>U. fabalis</i> Lea.
224 35	acalenius Raf. <i>U. decius</i> Lea, var.	225 50	monodontus Say. <i>U. soleniformis</i> Lea.
224 36	obovalis Raf. <i>U. ebenus</i> Lea.	225 51	metallious Say. <i>U. cuprinus</i> Lea.
224 37	stegarius Raf. <i>U. irroratus</i> Lea.	225 52	nexus Say. <i>U. arciformis</i> Lea.
224 38	mytiloides Raf. <i>U. cardiacea</i> Say of Guérin. <i>pyramidatus</i> Lea.	225 53	pollitus nob. <i>U. subrotundus</i> Lea (not Raf.)
225 39	cuneatus Raf. <i>U. patulus</i> Lea.	225 54	cicatricosus Say. <i>U. varicosus</i> Lea.
225 40	gibbosus Raf. <i>U. perplexus.</i>	225 55	plicatus Say. <i>U. ruriplicatus</i> Lam.
225 41	costatus Raf. <i>U. peruvianus?</i> Lam. <i>undulatus</i> Barnes.	225 56	parvus Barnes. <i>U. glans?</i> Lea, var.
225 42	teres Raf. <i>U. anodontoides</i> Lea.	225 57	undatus Barnes. <i>U. trigonus</i> Lea.
225 43	Ohioensis (Anod.) Raf. <i>Symph. lævissimus</i> Lea. <i>inflatus?</i> Lea, var.	225 58	subrostratus Say. <i>U. iris</i> Lea.
		225 1	Alasmodonta marginata Say.
		225 2	Unio calceolus Lea. costata Raf. <i>A. rugosa</i> Barnes.
		225 3	complanata Barnes.
P. of repr.	Name.		Locality.
	On page 4 of cover—		
225	Pecten varius Linn.		Northern coast.
225	Helix irrorata Say = H. lactea Mfll.		

P. of repr.	Pl.	Fig.	Name.	Locality.
225			<i>Melania acuta</i> Lea = <i>M. semicarinata</i> Say.	
226			<i>Valvata arenifera</i> Lea = <i>Phrygania</i> .	
226			<i>Carocolla hesicoides</i> Lea } = <i>Helix palliata</i> (var. a) Say.	
226			<i>Helix denotata</i> Per. }	
226			<i>Carolinensis</i> Lea = <i>H. appressa</i> (var. a) Say.	
226			<i>Melania tuberculata</i> Lea = <i>M. stygia</i> Say.	
226			<i>elongata</i> Lea = <i>M. elevata</i> Say.	

On page 4 of cover—

235			<i>Helix aspersa</i> is said to be found in North America.	
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Part VII.—No date.

(Published by Mr. CONRAD after Mr. SAY's death.)

226	lxi	1	<i>Donax variabilis</i> Say.	Georgia and Florida.
226	lxi	2	<i>fossor</i> Say.	N. J. and Maryland.
226	lxii		<i>Cyrena Carolinensis</i> Say.	S. C., Fla., Ala., Ga.
			<i>Cyclas Carolinensis</i> Bosc.	
226	lxiii		<i>Venus alveata</i> Conrad (fossil).	Charleston.
			<i>V. paphia</i> Lam.?	
227	lxiv	1	<i>Tellina brevifrons</i> Say.	South Carolina.
228	lxiv	2	<i>mera</i> Say.	South Carolina.
228	lxv	1	<i>alternata</i> Say.	S. C., Ga., and Fla.
228	lxv	2	<i>polita</i> Say.	S. C. and Florida.
228	lxv	3	<i>tenta</i> Say.	South Carolina.
229	lxiv	3	<i>tenuis</i> Da Costa.	Charleston.
			<i>T. levis</i> Lister.	
229	lxvi		<i>Arca zebra</i> Swainson.	Florida.
230	lxvii		<i>Unio truncatus</i> Raf.	Western waters.
			<i>U. elegans</i> Lea.	
230	lxviii		<i>lineolatus</i> Raf.	Ohio, Alabama, and
			<i>U. depressa</i> Raf.	Bl. Warrior rivers.
			<i>securis</i> Lea.	
231			<i>Venus cingenda</i> Dillw.	
			<i>V. cancellata</i> Lam.	
			<i>elevata</i> Conrad.	
231			<i>Chiton apiculatus</i> Say.	South Carolina.

Say.—10. A Glossary to Say's Conchology. New Harmony, Ind., 1832. (Issued with No. 5 of the Conchology.)

[No descriptions being given, it is not included in Binney's edition, nor is the following.—W. G. B.]

Say.—11. Catalogue of Exotic Shells in my Cabinet, 1833.

Prime.—List of known species of *Pisidium*, with their Synonymy: by TEMPLE PRIME. (From Annals of New York Lyceum of Natural History, vol. vii. March, 1859.)

Page.		Page.	
94	<i>Pisidium abditum</i> Hald.	102	<i>Pisidium Steenbuchi</i> Morch.
	<i>Cyclas minor</i> C. B. Ad.		<i>Cyclas Steenbuchi</i> Möll.
	<i>P. minus</i> Stimp.	102	<i>tenellum</i> Gould.
	<i>Kurtzi</i> Prime.		<i>P. rubellum</i> Prime.
	<i>zonatum</i> Prime.	102	<i>variabile</i> Prime.
	<i>regulare</i> Prime.		<i>P. grande</i> Whitt. MS.
	<i>notatum</i> Prime.	102	<i>ventricosum</i> Prime.
	<i>amplum</i> Ingalls.	102	<i>Virginicum</i> Bgt.
	<i>resartum</i> Ingalls.		<i>Tellina Virginica</i> Gmel.
	<i>rubrum</i> Lewis MS.		<i>pusilla</i> (pars)
	<i>plenum</i> Lewis.		Dillw.
95	<i>Adamai</i> Prime.		<i>Cyclas Virginica</i> Fer.
	<i>Cyclas nitida</i> Migh.		<i>dubia</i> Say.
97	<i>compressum</i> Prime.		<i>dubiosa</i> Say.
	<i>Cyclas altilis</i> Anth.		(<i>Physemoda</i>) <i>æquale</i>
	<i>P. altile</i> Anth.		Raf.
98	<i>equilaterale</i> Prime.		<i>P. abruptum</i> Hald.
98	<i>ferrugineum</i> Prime.		<i>dubium</i> Hald.
100	<i>Novi-Eboraci</i> Prime.		<i>æquale</i> Raf.
101	<i>rotundatum</i> Prime.		

Cooper.—Report upon the Mollusca collected on the Survey: by WM. COOPER. (In Reports on the Natural History, &c., of Minnesota, Nebraska, Washington, and Oregon Territories, made in connection with the Pacific Railroad Survey. New York, 1859.)

[Descriptions of new species only are given, and full notes of locality, &c.—W. G. B.]

Page.		Page.	
369	<i>Murex foliatus</i> Gmelin.	369	<i>Triton Oregonense</i> Redf.
	<i>M. monodon</i> Esch.		<i>Tritonium</i> (<i>Buccinum</i>) <i>cancellatum</i> Midd.
	<i>Cerastoma monodon</i> Carp.		<i>Fusus Oregonensis</i> Reeve.
	<i>foliatum</i> Carp.		<i>cancellatus</i> Reeve.
369	<i>festivus</i> Hinds.		<i>Triton cancellatum</i> (<i>Oregonense</i>) Carp.
	<i>Pteronotus festivus</i> Carp.		

Page.		Page.	
370	Crysodomus antiquus <i>Swainson?</i> Carp. <i>Murex antiquus</i> Linn. <i>Fusus antiquus</i> Lam. <i>Tritonium (Fusus) antiquum</i> Midd. var. <i>Behringiana</i> Midd.	374	Turritella Eschrichtii Midd.
		374	Littorina rudis Gould. <i>L. Barclayana?</i> Hinds.
		374	scutulata Gould.
		374	planaxis Nutt.
		375	Trochus filiosus Wood. <i>T. ligatus</i> Gould. <i>modestus</i> Midd.?
370	Middendorfi Cooper. <i>Tritonium (Fusus) decem-</i> <i>costatum</i> Midd., nec Say.	375	schantaricus Midd.
371	sitchensis Carp. [Midd. <i>Tritonium (Fusus) sitchense</i>	375	Haliotis Kamtschatkana Jonas.
371	Nassa mendica Gould.	375	Pisurella nigropunctata
371	Gibbati Cooper (n. sp.)	375	aspera Esch. [Sowb. <i>F. cratilia</i> Gould? <i>denseclathrata</i> Reeve?
371	Purpura lactuca Esch. <i>Murex lactuca</i> Esch. <i>ferrugineus</i> Esch. <i>P. septentrionalis</i> Reeve. <i>Muricidia lactuca</i> Carp.	376	Nacella instabilis Carp.?
372	ostrina Gould. [Desh. <i>P. Freycinetii</i> Midd., non <i>decemcostata</i> Midd.	376	Acmæa pelta Carp.?
372	lappillus Linn.	376	persona Carp.?
372	emarginata Desh. <i>P. Conradi</i> Nutt.	376	spectrum Carp.?
372	Monoceros engonatum Con. <i>Purpura (Monoceros) engo-</i> <i>nata</i> Conr.	376	scabra Carp.?
	<i>M. unicarinarum</i> Reeve.	376	æruginea Carp.?
373	lappilloides Conr. <i>M. punctatum</i> Gray.	376	Scurria mitra Carp.?
373	Columbella gausapata Gld.	376	Chiton muscosus.
373	valga Gould.	376	submarmoreus.
373	Natica Lewisii Gould. <i>N. herculea</i> Midd.	376	tunicatus.
373	Potamis pullatus Gould. <i>Cerithidæ pullata</i> Carp.	376	lignosus.
374	Melania pilicifera Lea.	376	Helix fidelis Gray. <i>H. Nuttalliana</i> Lea.
374	silicula Gould.	376	Townsendiana Lea.
374	shortænsis Lea.	376	Columbiana Lea. <i>H. labiosa</i> Gould.
374	Amnicola Nuttalliana Lea. <i>Paludina Nuttalliana</i> Lea.	377	Vancouverensis Lea.
374	seminalis Hinds. <i>Paludina seminalis</i> Hinds. <i>Bithinia seminalis</i> Carp.	377	devia Gould. <i>H. Baskervillei</i> Pfr.
		377	tudiculata Binney.
		377	Succinea Nuttalliana Lea.
		377	Limax Columbianus Gould.
		378	Lymnæa umbrosa Gould.
		378	emarginata Say.
		378	jugularis Say.
		378	Physa elongata Say.
		378	heterostrophæ Say.
		378	bullata Gould. MS.
		378	Ancylus caurinus Coop. n. s.?
		378	Planorbis corpulentus Say.

- | Page. | Page. |
|---------------------------------------|---|
| 378 <i>Planorbis trivolvis</i> Say. | <i>Tapes diversa</i> Sowb. |
| 378 <i>planulatus</i> Cooper, n. sp. | <i>straminea</i> Carp. |
| 379 <i>Bulla nebulosa</i> Gould. | <i>Saxidomus Petittii</i> Carp. |
| 379 <i>tenella</i> Adams. | 383 <i>Saxidomus Nuttalli</i> Conr. |
| 379 <i>Ostrea edulis</i> Linn. [Desh. | <i>Venerupis gigantea</i> Desh. |
| 379 <i>Anomia machroschisma</i> | <i>Venus maxima</i> Philippi. |
| <i>Placunanomia macroschisma</i> | <i>S. gigantea</i> Carp. |
| Carp. | 383 <i>Venus lamellifera</i> Conr. |
| 379 <i>Pecten caurinus</i> Gould. | <i>Venerupis cordieri</i> Desh. |
| 380 <i>ventricosus</i> Sowb. | (var. <i>fl.</i>) |
| <i>P. tumidus</i> Sowb. | <i>Petricola cordieri</i> Desh. |
| 380 <i>Mytilus edulis</i> Linn. | <i>Rupellaria lamellifera</i> Car. |
| 380 <i>Californianus</i> Conr. | 384 <i>Lutraria maxima</i> Midd. |
| 380 <i>Modiola capax</i> Conr. | <i>L. capax</i> Gould. |
| 380 <i>fabellata</i> Gould. | 384 <i>Tellina nasuta</i> Conr. |
| 380 <i>Lithodomus</i> . | 384 <i>edentula</i> Brod. & Sowb. |
| 381 <i>Arca grandis</i> Brod. & Sowb. | 384 <i>bodegensis</i> Hinds. [Conr. |
| 381 <i>Margaritana margaritifera</i> | 385 <i>Sanguinolaria Californiana</i> . |
| Lea. | 385 <i>Solen sicarius</i> Gould. |
| <i>Mya margaritifera</i> Linn. | 385 <i>Machaera Nuttalli</i> Carp. |
| <i>Margar. fluviatilis</i> Schum. | <i>Solen maximus</i> Wood, neo |
| <i>Alasmodonta falcata</i> Gld. | Chemn. |
| 381 <i>Anodonta angulata</i> Lea. | <i>Solecurtus Nuttalli</i> Conr. |
| <i>A. feminalis</i> Gould. | <i>M. costata</i> Midd. |
| 381 <i>Oregonensis</i> Lea. | <i>maxima</i> Gould. |
| 381 <i>Wahlamatensis</i> Lea. | 385 <i>Mya cancellata</i> Conr. |
| 382 <i>Cardium Nuttalli</i> Conr. | <i>Platygodon cancellatum</i> Con. |
| 382 <i>quadragenarium</i> Conr. | 385 <i>Sphaenia Californica</i> Conr. |
| 382 <i>Lucina Californica</i> Conr. | <i>Cryptomya Californica</i> Con. |
| 382 <i>Cyclos</i> —, n. sp. | 386 <i>Mytilimeria Nuttalli</i> Conr. |
| 382 <i>Venus staminea</i> Conr. | 386 <i>Pholas penita</i> Conr. |
| <i>Venerupis Petittii</i> Desh. | <i>Pholas concamerata</i> Desh. |
| <i>Venus rigida</i> Gould. | <i>Parapholas penita</i> Conr. |

In Appendix—*Machaera Nuttalli* = *M. patula*.

Binney—Gould.—The Terrestrial Air-breathing Mollusks of the United States, and the adjacent Territories of North America, described and illustrated by AMOS BINNEY: edited by A. A. GOULD. Boston, vols. i, ii, 1851; vol. iii (plates), 1857.

[In vol. i, are general remarks on classification, history, geographical distribution, &c., with Special Anatomy by Dr. J. LEIDY.]

Vol. I.—1851.

Page.	Name.	Locality.
48	<i>Odotropis Raf.</i>	
49	<i>Mesomphix Raf.</i>	
49	<i>Tridopais Raf.</i>	
49	<i>Xolotrema Raf.</i>	
49	<i>Chimotrema Raf.</i>	
49	<i>Toxotrema Raf.</i>	
49	<i>Stenotrema Raf.</i>	
49	<i>Aplodon Raf.</i>	
49	<i>Mesodon Raf.</i>	
49	<i>Omphalina Raf.</i>	
50	<i>Agatina variegata Raf.</i>	Louisiana
50	<i>fuscata Raf.</i>	Texas.
51	<i>Philomycus quadrilus Raf.</i>	Hudson river.
52	<i>oxurus Raf.</i>	New York.
52	<i>fuscus Raf.</i>	Ohio.
52	<i>flexuolaria Raf.</i>	Catskill mountains.
52	<i>Eumelus nebulosus Raf.</i>	Ohio and Kentucky.
52	<i>lividus Raf.</i>	Ohio, Indiana, and Ky.
53	<i>Hemiloma ovata Raf.</i>	Lexington.
53	<i>Limax gracilis Raf.</i>	Kentucky.

Page.	Plate.	Fig.	Name.	Page.	Plate.	Fig.	Name.
			Anatomy of—				Anatomy of—
248	i		<i>Limax variegatus.</i>	255	ix	4	<i>Helix fuliginosa.</i>
249	ii	1-4	<i>Arion hortensis.</i>	255	ix	5-6	<i>auriculata.</i>
250	ii	5-6	<i>Limax campestris.</i>	256	ix	7-9	<i>pulchella.</i>
250	ii	7-9	<i>agrestis.</i>	256	x	1-3	<i>exoleta.</i>
250	iii		<i>Tebennophorus Caro-</i>	256	x	4-5	<i>elevata.</i>
			<i>linensis.</i>	256	xi	1-4	<i>Sayii.</i>
251	iv		<i>Vaginulus Floridanus.</i>	257	xi	5-6	<i>hirsuta.</i>
252	v		<i>Bulimus fasciatus.</i>	257	xi	7-9	<i>thyroidus.</i>
252	vi		<i>Helix albolabris.</i>	257	xii	1-3	<i>intertexta.</i>
253	vii	1	<i>cellaria.</i>	257	xii	4-7	<i>ligera.</i>
253	vii	2-5	<i>alternata.</i>	258	xii	9-11	<i>concava.</i>
253	vii	4-7	<i>perspectiva.</i>	258	xiii	1-3	<i>Succinea obliqua.</i>
253	vii	8	<i>palliat.</i>	258	xiv		<i>Glandina truncata.</i>
254	viii	1-6	<i>multilineata.</i>	259	xv	2-4	<i>Pupa incana.</i>
254	viii	7-10	<i>solitaria.</i>	259	xv	5-6	<i>Bulimus decollatus.</i>
255	viii	11	<i>Berlandieriana.</i>	259	xv	7-8	<i>virgulatus.</i>
255	ix	1-3	<i>profunda.</i>	259	xvi		<i>Glandina truncata.</i>

Vol. II.—1851.

[NOTE.—The localities are combined in the quotations from vol. iv.—W. G. B.]

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
			LIMACIDÆ.	66			<i>Succinea Wardiana</i> Lea =
17	lxvii		<i>Vaginulus Floridanus</i>	66			<i>avara</i> .
			Binney.	66			<i>Totteniana</i> Lea =
20	lxiii	1-2	<i>Tebennophorus Caro-</i>	66			<i>ovalis</i> Say. [Gld.
			<i>linensis</i> Bosc.	66			<i>Nuttalliana</i> = <i>ovalis</i>
			<i>Limax Carolinensis</i>	66			<i>inflata</i> = <i>campestris</i> .
			Bosc.	66			<i>retusa</i> = <i>ovalis</i> Gld.
			<i>Carolinianus</i>	67			<i>lineata</i> De Kay?
			De Roissy.	67	lxvii b	1	<i>campestris</i> Say.
			<i>togata</i> Gould.	67			<i>S. inflata</i> Lea. [Gld.
			<i>Philomycus Carolinen-</i>	67			<i>aperta</i> Lea = <i>rotundata</i>
			<i>sis</i> Fer.	67			<i>Nuttalliana</i> Lea.
24	lxiii	3	<i>dorsalis</i> Binn. [Binn.	67			(sp. dist.)
			<i>Philomycus dorsalis</i>	67			<i>Oregonensis</i> Lea.
27	lxiv	1	<i>Arion hortensis</i> Fer.	69	lxvii b	3	(sp. dist.)
	lxv	2					<i>obliqua</i> Say.
30	lxvi	2	<i>foliolatus</i> Gould.				<i>S. ovalis</i> Say.
33			<i>Limax lineatus</i> DeKay?				<i>campestris</i> Gld. &c.
33			<i>marmoratus</i> DeKay?	72			<i>Totteniana</i> Lea.
33			<i>gracilis</i> Raf.?				(sp. dist., A. A. G.)
34	lxv	1	<i>variegatus</i> Drap.	73	lxvii c	4	<i>avara</i> Say.
			<i>L. flavus</i> Binn.				<i>S. vermata</i> Say.
36	lxiv	2	<i>agrestis</i> Müll.				<i>Wardiana</i> Lea.
			<i>L. tunicata</i> Gould.	75	lxvii c	1	<i>luteola</i> Gould.
41	lxiv	3	<i>campestris</i> Binn.	76	lxvii c	3	<i>aurea</i> Lea.
43	lxvi	1	<i>Columbianus</i> Gould.	77	lxvii c	2	<i>Oregonensis</i> Lea.
				78	lxvii a	3	<i>ovalis</i> Gould.
			HELICIDÆ.	81	lxvii a	4	<i>Nuttalliana</i> Lea.
55	lxvii a	1	<i>Vitrina pellucida</i> Müll. =	82	lxvii a	2	<i>Concordialis</i> Gould.
58			<i>V. limpida</i> A. A. G.	96	i		<i>Helix major</i> Binney.
63			<i>Succinea ovalis</i> Say.				<i>H. albolabris</i> Fer.
63			<i>campestris</i> Say.	99	ii		<i>albolabris</i> Say.
63			<i>avara</i> Say.	103	iii		<i>multilineata</i> Say.
63			<i>obliqua</i> Say.	105	vii		<i>Pennsylvanica</i> Green.
64			<i>avara</i> Say.	107	iv		<i>clausa</i> Say.
64			<i>vermeta</i> Say.				<i>H. Mitchelliana</i> Lea.
64			<i>undulata</i> Say.				<i>Mitchella</i> Kirtl.
64			<i>campestris</i> Say.	109	xlx	1-2	<i>Berlandieriana</i> Mor.
64			<i>ovalis</i> Say.	111			<i>H. pachyloma</i> Mks.?
65			<i>obliqua</i> Say.	111	viii		<i>hortensis</i> Müll.
65			<i>avara</i> Say.				<i>H. subglobosa</i> Binn.
			<i>S. vermata</i> Say.	115	xlili		<i>Buffoniana</i> Pfr.
65			<i>undulata</i> Say.				<i>H. aspersa</i> (in pl.)
65			<i>retusa</i> Lea.	116			<i>aspersa</i> Müll.
65			<i>aperta</i> Lea.	117	xvi		<i>tudiculata</i> Binney.
65			<i>Wardiana</i> Lea.	119	via, vi	1	<i>Nickliniana</i> Lea.
65			<i>Totteniana</i> Lea.	121	vi	2	<i>Californiensis</i> Lea.
66			<i>Nuttalliana</i> Lea.	122	xiii a	2	<i>abjecta</i> Gould.
66			<i>aurea</i> Lea.	123	xlvi		<i>polychroa</i> Binney.
66			<i>Oregonensis</i> Lea.		xlvi		<i>H. submeris</i> Mighels.
66			<i>inflata</i> Lea.	126			<i>Pisana</i> Forb.?

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
126	ix		Helix elevata Say. <i>H. Knoxvilleana</i> Fer. <i>Tennesseensis</i> Lea.	188	xxvii		Helix tridentata Say. <i>H. fallax</i> Say.
129	xi		thyroidus Say.	186	xxviii		auriculata Say. [Say.
131	x		exoleta Binn. <i>H. zaleta</i> Binn. <i>albolabris</i> Fer., var.		xl		<i>Polygyra auriculata</i> <i>avara</i> Say. <i>Stenotrema avara</i> Hart. <i>H. Sayii</i> Wood.
134	xlii		dentifera Binn.	189	xl a	4	vultuosa Gould.
136	xiv, xv		palliata Say. <i>H. obstricta</i> Say. <i>denotata</i> Fer. <i>notata</i> Desh. <i>Carolinensis</i> Lea. <i>Carocolla helicoides</i>	191	xl v	1	Texasiana Mor. <i>H. auriculata</i> Binn.
140	xlii		appressa Say. [Lea. <i>H. linguifera</i> Fer. <i>Tridopsis appressa</i>	193	xxxix	2, 4	fatigiata Say. <i>H. Troostiana</i> Pfr. <i>Polygyra plicata</i> Say. <i>fatigiata</i> Say. <i>Dorfeuillana</i> Lea. <i>Troostiana</i> Lea.
143	xlv	2-3	inflecta Say. [Beck. <i>H. clausa</i> Fer. <i>Gonostoma clausa</i> Held.	196	xxxviii		septemvolva Say.
			<i>Tridopsis inflecta</i>	xxxix	1		<i>H. planorbula</i> Lam. <i>cereolus</i> Pfr.
145	xxix a	2	loricata Gld. [Beck.	199	xl a	1	leporina Gould.
147	xli		monodon Rack. <i>H. fraterna</i> Say. <i>conveza</i> Desh. <i>Leaui</i> Ward.	201	xxxix	3	pustula Fer.
149			hirsuta Say. <i>H. stenotrema</i> Fer. <i>fraterna</i> Wood. <i>porcina</i> Say. <i>Tridopsis hirsuta</i> Beck.	202	xvii	3	labyrinthica Say.
150	xlii	3-4	spinosa Lea. (Car.) <i>Edgariana</i> Lea. <i>germana</i> Gould. <i>maxillata</i> Gould. <i>Nuttalliana</i> Lea. <i>H. fidelis</i> Gray.	204	xxxv		liger Say. <i>H. Rafinesquea</i> Fer. <i>Wardiana</i> Lea.
153	xli v		concava Say.	206	xxxvi		intertexta Binn.
155	xli v		<i>H. planorboides</i> Fer.	208	xxiv		solitaria Say. <i>Euryomphala solitaria</i>
156	xl a	3	<i>Circinaria planorboides</i> Beck.	210	xxvi a		strigosa Gld. [Beck.
157	xl a	2	Vancouverensis Lea. <i>H. concava</i> Binn.	211	xxii a	1	spostella Gould.
159	xviii		Columbiana Lea. <i>labiosa</i> Gould. Mobiliana Lea. <i>saxicola</i> Pfr. <i>H. Mouriniana</i> D'Orb.	212	xxv		alternata Say. <i>H. scabra</i> Lam. <i>Patula alternata</i> Held. <i>Euryomphala alternata</i> Beck.
161	xix		pulchella Müll.	216	xxvi		Cumberlandiana Lea. <i>Carocolla Cumberlandiana</i> Lea.
163	xxi		profunda Say. <i>H. Richardi</i> Fer.	217	xxx	2	striatella Anth.
166	xx		Sayii Binn. <i>H. diodonta</i> Say.	219	xxx	3	limatula Binn.
169	v			221	xvii a	2	minuscule Binn. <i>H. minutissima</i> Lea.
170	xlii a	2		222	xxxi		fuliginosa Griff. <i>H. levigata</i> Fer. <i>capillacea</i> Pfr.
172	xlii	4		225	xxxii		lucubrata Say. <i>H. levigata</i> Fer.
174	xxix a	1		227	xxxiv		inornata Say.
175	xvii			229	xxxiii		subplana Binn.
177	xxii			230	xxiv	4	cellaria Müll. <i>H. glaphyra</i> Say. <i>nitida</i> Dr.
180	xxiii			232	xlii	1	demissa Binn.
				233	xxii a	2	lucida Dr. <i>H. nitida</i> Müll. <i>hydrophila</i> Ingalls.

Pl.	Plate.	Fig.	Name.	Pl.	Plate.	Fig.	Name.
235	xxix	3	<i>Helix arborea</i> Say.	278	lviii		<i>Bulimus virgulatus</i> Fer.
236	xxix	1	<i>electrina</i> Gould.				<i>Helix</i> (<i>Cochlogena</i>)
238	xxix a	3	<i>Ottonis</i> Pfr.				<i>virgulata</i> Fer.
			<i>H. arborea</i> Pfr., var.				<i>B. Caribbæorum</i> Lam.
239	xxix a	1	<i>capsella</i> Gould.				<i>multilineatus</i> Say.
			<i>H. rotula</i> Gould.				<i>Menkei</i> Green.
240	xxix a	2	<i>selenina</i> Gould.				<i>venosus</i> Rve.
242	xix	2	<i>indentata</i> Say.	280	1	1	<i>decollatus</i> Linn.
243	xvii	4	<i>cherrina</i> Say.				<i>Helix decollata</i> Linn.
245			<i>H. egena</i> .				<i>B. mutilatus</i> Say.
245	xxii a	3	<i>egena</i> Say.				<i>mutilatus</i> Jay.
247	xxx	4	<i>interna</i> Say.	283	iii	4	<i>lubricus</i> Müll.
			<i>H. pomum-Adami</i> Gr.				<i>Helix lubrica</i> Müll.
250	xxxvii	3-4	<i>gularis</i> Say.				<i>Achatina lubrica</i> Mke.
253	xxxvii	1	<i>suppressa</i> Say.				<i>Zua lubrica</i> Leach.
254	xxxvii	2	<i>lasmodon</i> Phillips.				<i>Cionella lubrica</i> Jeffr.
256	xxx	1	<i>perspectiva</i> Say.				<i>Columna lubrica</i> lan.
			<i>H. parvula</i> Desh.				<i>Styloides lubricus</i> Fitz.
			<i>Euryomphala perspec-</i>	285	iiii	4	<i>subula</i> Pfr.
			<i>tiva</i> Beck. [Held.]				<i>Achatina subula</i> Pfr.
			<i>Patula perspectiva</i>				<i>B. octonoides</i> Orb.
258	xlvi	3	<i>multidentata</i> Binn.				<i>procerus</i> Adams.
261	xlvi	1	<i>lineata</i> Say. [Beck.]	286	iiii	1	<i>exiguus</i> Say.
			<i>Euryomphala lineata</i>				<i>Pupa exigua</i> Say =
266	lv		<i>Bulimus fasciatus</i> Müll.	288			<i>Caryochium</i> .
	lvi		<i>Buccinum fasciatum</i>	288	iii	1	<i>fallax</i> Gould. [Say.
	lvii		Müll.				<i>Cyclostoma marginata</i>
			<i>Bulla virginea</i> Linn.				<i>Pupa fallax</i> Gould.
			<i>fasciata</i> Chemn.				<i>albilabris</i> Ad.
			<i>Bulim. vexillum</i> Brug.	290	iii	3	<i>harpa</i> Say.
			<i>Helix vexillum</i> Fer.				<i>Helix harpa</i> Say.
			<i>Achatina vexillum</i> Lk.				<i>Pupa costulata</i> Migh.
			<i>crenata</i> Sw.	293	iiii	3	<i>Achatina gracillima</i>
			<i>pallida</i> Sw.				Pfr.
			<i>fasciata</i> Sw.				<i>Bulim. gracillimus</i> Pfr.
			<i>solida</i> Say.				<i>A. striato-costata</i> Orb.
271	iii		<i>zebra</i> Müll.	294	iiii	2	<i>pellucida</i> Pfr.
			<i>Buccinum zebra</i> Müll.				<i>Tornatella Cubensis</i>
			<i>Bulla zebra</i> Gmel.				Pfr.
			<i>Zebra Mülleri</i> Chem.	298	lxii a		<i>Glandina bullata</i> Gld.
			<i>Bulimus undatus</i> Brug.				<i>G. truncata</i> Gould.
			<i>Helix undata</i> Fer.	299	lxii	1	<i>Vanuxemensis</i> Lea.
			<i>Bulimus melanocheilus</i>				<i>Achatina Vanuxemen-</i>
			Val.				<i>sis</i> Rve.
			<i>Achat. pulchella</i> Spix.	301	lix		<i>truncata</i> Say.
			<i>Bulimus princeps</i> Brod.		lx		<i>Bulla truncata</i> Gmel.
			<i>Achat. flammigera</i> S.		lxi	2	<i>Buccinum striatum</i> Ch.
274	1	2	<i>serperastrus</i> Say.				<i>Bulimus striatus</i> Brug.
			<i>B. nitelinus</i> Rv.				<i>Cochlicopa rosea</i> Fer.
			<i>lilacinus</i> Rv.				<i>Achatina rosea</i> Desh.
276	ii		<i>dealbatus</i> Say.				<i>truncata</i> Orb.
	ii a		<i>Helix dealbata</i> Say.				<i>Polyphemus glans</i> Say.
	ii b		<i>Zebrina dealbata</i> Held.	306	lxix	1	<i>Cylindrella pontifica</i>
			<i>B. alternatus</i> Say.				Gould.
278			<i>Schiedeanus</i> Pfr.				<i>Pupa pontifica</i> Gould.
278			<i>lactarius</i> Mke.				

Pl.	Plate.	Fig.	Name.	Pl.	Plate.	Fig.	Name.
309	lxix	2	<i>Cylindrella lactaria</i> Gd. Pupa (<i>Siphonostoma</i>) <i>lactaria</i> Gould.	337	lxxi	1	<i>Vertigo millium</i> Gould (cut p. 338). Pupa <i>millium</i> Gould.
310	lxix	3	<i>jejuna</i> Gould.	339	lxxii	4	Pupa <i>corticaria</i> Say (cut p. 340). [Say.
316	lxviii		Pupa <i>maritima</i> Pfr.				<i>Odostomia corticaria</i>
318			<i>P. incana</i> Binn.				<i>rupicola</i> Say (cut p.
319	lhi	2	<i>modica</i> Gould.	341	lxx	1	342). <i>P. procera</i> Gould.
320	lxx	4	<i>armifera</i> Say (cut p. 322.) [Mich.	343	lxxii	3	<i>simplex</i> Gould. [Say.
323	lxx	3	<i>P. armigera</i> Pot. & <i>badia</i> Ad. (cut, p. 324).	348	lxxii		<i>Cyclostoma dentatum</i>
324	lxx	2	<i>contracta</i> Say (cut p.	352	lxxiii		<i>Helicina orbiculata</i> S.
327	lxxi	3	<i>decora</i> Gould. [326).	lxxiv	3		<i>Oligyra orbiculata</i> S.
328	lxii	1	<i>pentodon</i> Say (cut p. 330). <i>Vertigo pentodon</i> Say.	252			<i>Helicina rubella</i> Grn.
			<i>P. curvidens</i> Gould.	253			? <i>castanea</i> Sowb.
			<i>Tuppaniana</i> Ad.	258			<i>minuta</i> Sowb.
331	lxxii	2	<i>variolosa</i> Gould.	254			<i>Ambeliana</i>
332	lxxi	2	<i>Vertigo Gouldii</i> Binn. (cut p. 333).	354	lxxiv	4	<i>De Roissy.</i>
			Pupa <i>Gouldii</i> Binn.	356	lxxiv	2	<i>tropica</i> lan.
334	lxxi	4	<i>ovata</i> Say (cut p. 336). Pupa <i>ovata</i> Gould. <i>modesta</i> Gould.	358			<i>chrysocochella</i> Binn.
							<i>occulta</i> Say.
							<i>Oligyra occulta</i> Say.
							<i>Helix divesta</i> Gould.
							<i>H. abjecta</i> Gould.
							<i>dejecta</i> Gould.

[Wood-cuts of the lingual ribbon of many of the species are also given.—W. G. B.]

Vol. III, Plates.—1857.

Pl.	Plate.	Fig.	Name.	Pl.	Plate.	Fig.	Name.
9	xi a		<i>Helix bucculenta</i> Gld.	26			<i>Helix Nickliniana</i> Lea.
11			<i>devia</i> Gould.				<i>H. Californiensis</i> Rve.
			<i>H. Baskervillei</i> Pfr.	26			<i>Californiensis</i> Lea.
12			<i>ramentosa</i> Gould.				<i>H. vineta</i> Val.
12			<i>seruginosa</i> Gould.	27			<i>divesta</i> Gould.
13			<i>infumata</i> Gould.				<i>H. abjecta.</i>
13			<i>Oregonensis</i> Lea =	31			<i>lucubrata</i> Say.
14			<i>Dupetithouarsii</i> Desh.				<i>H. fuliginosa</i> Rve.
14			<i>areolata</i> Sowb.	31			<i>septemvolva</i> Say (in-
15			<i>Pandoræ</i> Forbes.				ternal lamina).
			<i>H. Damascenus</i> Gld.	33	xlv	2	? <i>triodontia</i> Jan.
16			<i>exigua</i> Stimpson.	33			<i>polychroa</i> Binn.
17			<i>Hindsi</i> Pfr.				<i>H. rhodocheila</i> in pl.
17			<i>Hopetonensis</i> Shuttl.	34			<i>selenina</i> Gould.
			<i>H. tridentata</i> Binn.,				<i>H. vortex</i> Pfr.
18			<i>Rugeli</i> Shuttl. [var.				<i>tenuistriata</i> Bin.
19			<i>mordax</i> Shuttl.	34			<i>Berlandieriana</i> Mor.
19			<i>Zonites placentula</i>				<i>H. albolineata</i> in pl.
			Shuttl.	40	lxxii	1	Pupa <i>Tappaniana</i> Ad.
20			<i>macilenta</i> Shuttl.				(right hand fig.)
20			<i>Helix uvulifera</i> Shuttl.				<i>curvidens</i> Gould
21			<i>barbigera</i> Redf.				(left hand fig.)
23			<i>Elliotti</i> Redf.				

W. G. Binney.—A Supplement to the same, constituting vol. iv: by W. G. BINNEY. (From the Boston Journal of Natural History, vol. vii, 1859.)¹

SECTION I.—THE SPECIES OF THE PACIFIC COAST.

Page.	Plate.	Fig.	Name.	Locality.
6			<i>Arion foliolatus</i> Gould.	Puget sound.
6			<i>Limax Columbianus</i> Gould.	Pisqually & Puget s.
6			<i>Succinea Nuttalliana</i> Lea.	Lewis river, Oregon.
6			<i>Oregonensis</i> Lea.	Oregon.
6	lxxix	14	<i>rusticana</i> Gould.	Oregon.
7			<i>cingulata</i> Forbes (e. l.)	Mazatlan.
7			<i>aperta</i> Lea (e. l.)	
7			<i>Helix tudicoulata</i> Binney.	San Diego.
7			<i>Nickliniana</i> Lea.	California.
			<i>H. Californiensis</i> Chemn., &c.	
			<i>arboretorum</i> Val., &c.	
			<i>nemorivaga</i> Val.	
8	vi	1	<i>intercisa</i> W. G. Binney (mid. fig.)	Oregon.
			<i>H. Nickliniana</i> (var.) Binney.	
9	vi	1	<i>redimita</i> W. G. Binney.	California.
			<i>H. Nickliniana</i> (var.) Binney.	
11	lxxvi	5	<i>anachoreta</i> W. G. Binney.	California.
12			<i>reticulata</i> Pfr.	California.
12			<i>exarata</i> Pfr.	California.
13			<i>Californiensis</i> Pfr.	California.
			<i>H. vineta</i> Val.	
13			<i>ramentosa</i> Gould.	California.
14			<i>loricata</i> Gould.	California.
			<i>H. Lecontii</i> Lea.	
14			<i>germana</i> Gould.	Oregon.
14			<i>fidelis</i> Gray.	Oregon.
			<i>H. Nuttalliana</i> Lea.	
15	lxxix	2	<i>infumata</i> Gould.	San Francisco.
15			<i>Townsendiana</i> Lea.	Oregon.
15	lxxvi	4	<i>arrosa</i> Gould.	San Francisco.
			<i>H. æruginosa</i> Gould.	
15	lxxvi	9	<i>Dupetithouarsii</i> Desh.	California & Oregon.
			<i>H. Oregonensis</i> Lea.	
15	lxxix	21	<i>Mormonum</i> Pfr.	Mormon island, Cal.
16			<i>Columbiana</i> Lea.	Oregon.
			<i>H. labiosa</i> Gould.	

¹ Extra limital and spurious species are respectively designated by the letters e. l. and sp. being affixed to their names.

Page.	Plate.	Fig.	Name.	Locality.
17	lxxix	13	<i>Helix devia</i> Gould. <i>H. Baskervillei</i> Pfr.	Oregon.
17	lxxvi	12	<i>Kelletti</i> Forbes.	San Diego.
18	lxxvi	8	<i>Pandora</i> Forbes. <i>H. damascenus</i> Gould.	Santa Barbara.
18	lxxvi	10	<i>levia</i> Pfr.	Columbia river.
19	lxxvi	11, 3	<i>areolata</i> Sowerby.	Oregon & California.
19			<i>Vancouverensis</i> Lea. <i>H. vellicata</i> Forbes.	Columbia river.
19			<i>sportella</i> Gould.	San Diego, &c.
20	lxxvi	7	<i>Newberryana</i> W. G. B.	San Diego, &c.
22	lxxvi	6	<i>cultellata</i> Thompson.	Contra Costa co., Cal.
23			<i>strigosa</i> Gould.	Oregon, N. Mex., &c.
23			<i>Sagraiana</i> Orb. (sp.)	
23	lxxvi	1	<i>acutedenta</i> W. G. B. (e. l.)	
23	lxxvi	2	<i>Loisa</i> W. G. B. (e. l.)	
24			<i>aspera</i> Müll. (e. l.)	
24			<i>Mazatlanica</i> Pfr. (e. l.)	
24	lxxix	15	<i>Bulinus Californicus</i> Rve.	California.
24	lxxix	12	<i>excelsus</i> Gould. <i>B. elatus</i> Gould.	California.
25			<i>chordatus</i> Pfr. (e. l.)	
25			<i>Humboldti</i> Rve. (e. l.)	
25			<i>Mexicanus</i> Lam. (e. l.)	
25			<i>zebra</i> Müll. (e. l.)	
25			<i>Ziegleri</i> Pfr. (e. l.)	
25			<i>vegetus</i> Gould (e. l.)	
25			<i>vesicalls</i> Gould (e. l.)	
25			<i>B. sufflatus</i> Gould.	
25			<i>Laurentii</i> Sowerby (e. l.)	
26	lxxix	19	<i>Achatina Californica</i> Pfr.	Monterey, Cal.
26			<i>Glandina Albersi</i> Pfr. (e. l.)	
26			<i>turris</i> Pfr. (e. l.)	
26	lxxix	8	<i>Melampus olivaceus</i> Carp.	Mazatlan.
28	lxxix	20	<i>Truncatella Californica</i> Pfr.	San Diego.
		22	<i>T. gracilentia</i> Gould.	

SECTION II.—THE SPECIES EAST OF THE ROCKY MOUNTAINS.

Family Limacea.

29	<i>Vaginulus Floridanus</i> Binney.	Charlotte harbor.
30	<i>flexuolaris</i> (sp.)	
30	<i>fuscus</i> (sp.)	
30	<i>oxyurus</i> (sp.)	
30	<i>quadrilus</i> (sp.)	

Page.	Plate.	Fig.	Name.	Locality.
30			Tebennophorus Carolinensis E'rn, Midd., S'rn and Binney. W'rn States. <i>Limax Carolinensis</i> Bosc. <i>marmoratus</i> De Kay.	
31			dorsalis Binney. <i>Philomycus dorsalis</i> Binney. <i>Limax dorsalis</i> De Kay.	Mass. and Vermont.
31			bilineatus Cart. (sp.)	
31			Arion hortensis Dr.	Boston, &c.
31			empiricorum Fer. (sp.)	
31			foliolatus Gould (sp.)	
31			Limax variegatus Dr. <i>L. flavus</i> De Kay.	Boston, &c.
31			agrestis Müll.	Boston, &c.
32			campestris Binney.	Massachusetts, &c.
32			Columbianus Gould (sp.)	
32			fuliginosus Gould (sp.)	
32			olivaceus Gould (sp.)	
32			lineatus De Kay (sp.)	
32			gracilis Raf. (sp.)	
32			Humelus lividus Raf. (sp.)	
32			nebulosus Raf. (sp.)	
32			Deroceras gracilis Raf. (sp.)	
32			Philomycus flexuolaris Raf. (sp.)	
32			fuscus Raf. (sp.)	
32			oxyurus Raf. (sp.)	
32			quadrilus Raf. (sp.)	
32			Testacina Raf. (sp.)	
32			Urcinella Raf. (sp.)	
32			Zilotea Raf. (sp.)	
Family Helicæ.				
32	lxxix	9	Vitrina Angelicæ Bk. <i>Helix pellucida</i> Fabr. <i>domestica</i> Ström.	Greenland.
33			limpida Gould. <i>V. pellucida</i> De Kay. <i>Americana</i> Pfr.	From Maine & Lake Superior north.
34			Succinea campestris Say.	South Carolina, &c.
34	lxxx	11	inflata Lea. <i>S. campestris</i> (var.) Binney.	Georgia.
35			obliqua Say. <i>S. lineata</i> De Kay.	Canada to Arkansas.
35			Totteniana Lea. <i>S. obliqua</i> (var.) Binney.	Rhode Island, &c.

Page.	Plate.	Fig.	Name.	Locality.
35			<i>Succinea avara</i> Say. <i>S. vermata</i> Say? <i>Wardiana</i> Lea.	Whole country.
37			<i>aurea</i> Lea. <i>S. ovalis</i> (var.) Anthony.	New York and Ohio.
37	lxxix	7	<i>retusa</i> Lea. <i>S. campestris</i> Anthony.	Ohio.
38	lxxx	4	<i>Greenlandica</i> Beck.	Greenland.
38	lxxx	5	<i>lineata</i> W. G. Binney.	Nebraska Territory.
40	lxxix	1	<i>Haydeni</i> W. G. Binney.	Nebraska Territory.
41			<i>luteola</i> Gould. <i>S. Texasiana</i> Pfr.	Texas.
41			<i>Concordialis</i> Gould. <i>S. munita</i> Binney.	L. Concordia, Tex.
41	lxxx	12	<i>effusa</i> Shuttl.	East Florida.
42	lxxix	18	<i>Salleana</i> Pfr.	New Orleans.
42			<i>putris</i> Linn. (sp.)	
42			<i>amphibia</i> Dr. (sp.)	
43			<i>Helix major</i> Binney. <i>H. albolabris</i> Pl.	Tenn. to Florida.
43			<i>albolabris</i> Say. <i>H. rufa</i> De Kay.	S. Car. to Arkansas, north to Canada.
45			<i>multilineata</i> Say.	N'n, Mid., W'r'n St's, west of Aleg. mts.
45			<i>Pennsylvanica</i> Green. <i>H. Mitchelliana</i> Desh.	Middle States.
46			<i>clausa</i> Say. <i>H. Pennsylvanica</i> Pfr. <i>Mitchelliana</i> Chemn.	W'r'n & S'r'n States.
47	iv		<i>Mitchelliana</i> Lea. <i>H. clausa</i> pars Binney.	Ohio.
49	lxxvii	22	<i>Berlandieriana</i> Mor. <i>H. pachyloma</i> Mks. <i>virginalis</i> Pfr.	Southw'r'n States and Mexico.
50	lxxvii	20	<i>griseola</i> Pfr. <i>H. cicercula</i> Fer. <i>splendidula</i> Anton. <i>albocincta</i> Binney. <i>albozoota</i> Binney. <i>albolineata</i> Gould. <i>Brandybana pisum</i> Beck.	Texas, Mexico, and Central America.
51			<i>hortensis</i> Mall. <i>H. subglobosa</i> Binney. <i>neboralis</i> Stimp.	Greenland, & Conn.? introduced on isl's of N. Atlan. coast.
51	lxxvii	4	<i>aspera</i> Mall.	

Page.	Plata.	Fig.	Name.	Locality.
51			<i>Helix divesta</i> Gould.	
			<i>H. abjecta</i> Gould.	
51	lxxviii	22	<i>varians</i> Mks.	Florida.
			<i>H. carnicolor</i> Pfr.	
			<i>pisana</i> Chemn.	
			<i>submeris</i> Mighels.	
			<i>rhodocheila</i> Binney.	
			<i>polychroa</i> Binney.	
52			<i>elevata</i> Say.	N'r'n & Middle St's.
			<i>H. Tennesseensis</i> Lea.	
53	lxxvii	10	<i>Clarkii</i> Lea.	North Carolina.
53			<i>thyroides</i> Say.	Canada to Texas.
			<i>Anchistoma thyroides</i> Ad., Gen.	
54			<i>buoculenta</i> Gould.	
			<i>H. thyroides</i> ♂ Pfr.	
54			<i>exoleta</i> Binney.	Georgia to Texas.
			<i>H. saleta</i> Binney.	[Ga., &c.
			<i>albolabris</i> (var.) Pfr., &c.	Midd. & N'r'n States,
55			<i>dentifera</i> Binney.	N. Y., Ohio, Vt., Va.,
55	lxxvii	3	<i>Roemerii</i> Pfr.	Texas. [Me., Pa.
			<i>H.entifera</i> Pfr.	
56			<i>palliata</i> Say.	Whole country?
			<i>H. denotata</i> Fer.	
57			<i>obstricta</i> Say.	Ohio.
			<i>H. palliata</i> (var.) Binney.	
			<i>denotata</i> (var.) Fer.	
			<i>appressa</i> (var.) Desh.	
			<i>Carocolla helicoides</i> Lea.	
59			<i>appressa</i> Say.	W'r'n, Southw'r'n, &
			<i>H. linguifera</i> Fer.	Southern States.
59			<i>inflecta</i> Say.	Canada to Texas.
			<i>H. clausa</i> Raf. (<i>Xolotrema</i> .)	
60	lxxviii	15	<i>Rugellii</i> Shuttl.	Tennessee.
60			<i>monodon</i> Rack.	Canada to Texas.
			<i>H. fraterna</i> Say.	
			<i>Leaii</i> Ward.	
			<i>hirsuta</i> Fer.	
			<i>convexa</i> Pfr.	
61			<i>stenotrema</i> Fer.	S'r'n & W'r'n States.
			<i>H. hirsuta</i> (var.) Binney.	
62			<i>hirsuta</i> Say.	Canada to Texas.
			<i>H. sinuata</i> γ Gmelin.	
			<i>isognomostomus</i> γ Gmelin.	
			<i>convexa</i> Raf. (<i>Stenostoma</i> .)	
			<i>porcina</i> Say?	
			<i>Tridopsis hirsuta</i> Woodw.	

Page.	Plate.	Fig.	Name.	Locality.
63	lxxvii	2	<i>Helix barbigera</i> Redf.	Georgia.
63	lxxviii	7, 9	<i>Edwardsi</i> Bland.	Virginia.
65			<i>spinosa</i> Lea.	Ala., Ga., Tenn.
65			<i>Edgariana</i> Lea.	Tenn., Ark., Ala.
65			<i>maxillata</i> Gould.	Tennessee, Georgia.
65			<i>concava</i> Say.	Whole country.
			<i>H. planorboides</i> Raf.	
			<i>dissidens</i> Desh.	
67			<i>jejuna</i> Say.	Ala., Ga., Florida.
			<i>H. Mobiliana</i> Lea, Binney.	
68			<i>incrustata</i> Poey.	Texas.
			<i>H. saricola</i> Gould.	
69			<i>pulchella</i> Müll.	Whole country?
			<i>H. costata</i> Müll.	
			<i>minuta</i> Say.	
70			<i>profunda</i> Say.	Middle States, &c.
			<i>H. Richardi</i> Fer.	
70			<i>Sayii</i> Binney.	Illinois to Mo. & Pa.
			<i>H. diodonta</i> Say.	
70			<i>tridentata</i> Say.	All the States.
			<i>Tridopsis lunula</i> Raf.	
71			<i>fallax</i> Say.	All the States?
			<i>H. tridentata</i> (var.) Binney.	
72	lxxvii	16	<i>Hopetonensis</i> Shuttl.	Florida and Georgia.
72	lxxvii	14	<i>ventrosula</i> Pfr.	Texas. [Natchez.
73			<i>auriculata</i> Say (Polyg.)	Fla., S. C., Ga., and
74			<i>avara</i> Say (Polyg.)	
			<i>H. auriculata</i> pars. Binney.	
			<i>Sayii</i> Wood.	
75			<i>uvulifera</i> Shuttl. (fig.)	Florida.
			<i>H. florulifera</i> Rve.	
			<i>auriculata</i> min. Fer.	
75			<i>vultuosa</i> Gould.	Texas.
76	lxxviii	1, 3, 4	<i>Ariadne</i> Pfr.	Texas?
			<i>H. Couchiana</i> Lea.	
77	lxxviii	19	<i>hippocreps</i> Pfr.	Texas.
79			<i>Texasiana</i> Mor.	Texas.
			<i>H. triodonta</i> Fer.	
			<i>auriculata</i> Binney, olim.	
			<i>Tamaulipasensis</i> Lea.	
80	lxxviii	24	<i>Mooreana</i> W. G. Binney.	Texas.
81	lxxviii	21	<i>tholus</i> W. G. Binney.	Texas.
82			<i>fatigiata</i> Say.	Tennessee.
			<i>H. fatigiata</i> Binney, pars.	
			<i>auriculata</i> Binney olim.	

Page.	Plate.	Fig.	Name.	Locality.
			<i>H. Texasiana</i> (var. <i>β</i>) Desh.	
			<i>Dorfeuilliana</i> Desh.	
			<i>Helicina fastigiata</i> Desh.	
84	lxxviii	13	Helix <i>Hazardi</i> Bland.	Tenn. & Kentucky.
			<i>Polygyra plicata</i> Say.	
			<i>H. fatigiata</i> Binney, para.	
			<i>Texasiana</i> Pfr., &c.	
			<i>Dorfeuilliana</i> Desh.	
			<i>Troostiana</i> W. G. Binney.	
			<i>Helicina plicata</i> De Kay.	
86	lxxviii	2, 14	Dorfeuilliana Lea.	Ohio.
			<i>Polygyra Dorfeuilliana</i> Lea.	
			<i>H. fatigiata</i> Binney, para.	
88	lxxviii	11	Troostiana Lea (<i>Pol.</i>)	Tennessee.
			<i>H. fatigiata</i> Binney, para.	
			<i>plicata</i> Shuttl., &c.	
90	lxxvii	23	cereolus Muhlf.	Florida.
			<i>Polygyra septemvolva</i> Say.	
			<i>H. planorbula</i> Lam., &c.	
			<i>septemvolva</i> Binney.	
91	lxxviii	23	microdonta Desh.	Florida and Texas.
			<i>H. plana</i> Dunk.	
92	lxxviii	17	volvoox Pfr.	Georgia and Florida.
			<i>Polygyra septemvolva</i> Beck.	
92	lxxviii	5, 6, 8	Hindsi Pfr.	Texas.
92			<i>leporina</i> Gould.	Miss., Ark., Ga., Ill.,
			<i>H. pustula</i> & Pfr.	and Ind.
93			pustuloides Bland.	Georgia.
			<i>H. pustula</i> Binney in pl. non Fer.	
94	lxxvii	12	pustula Fer..	Ga., Fla., & Texas.
95			labyrinthica Say.	Whole country.
95			ilgera Say.	W'm St's, Ky., Pa.,
			<i>H. Rafinesquea</i> Fer.?	and Ark.
			<i>Wardiana</i> Lea.	
96			intertexta Binney.	W'm & Mid. St's, &c.
96			solitaria Say.	W'm, S. W'm, &c.
97	lxxvii	11	Cooperi W. G. Binney.	Nebraska.
98			alternata Say.	Whole country.
			<i>H. scabra</i> Lam.	
			<i>inflecta</i> Pfr.	
			<i>strongylodes</i> Pfr.	
99			mordax Shuttl.	North Carolina.
99			Cumberlandiana Lea.	West Tennessee.
			<i>Carocolla Cumberlandiana</i> Lea.	

Page.	Plate.	Fig.	Name.	Locality.
99			Helix striatella <i>Anthony.</i>	E'rn, W'rn, and N'rn States, &c.
			<i>H. rudrata</i> <i>Adams.</i>	
100			limatula <i>Binney.</i>	Northern States.
100	lxxvii	6, 7	minutissima <i>Lea.</i>	Ohio and N. York.
			<i>H. minuscula</i> <i>teste</i> <i>Binney.</i>	
101	lxxix	4, 5	millium <i>Morse.</i>	Maine.
102	lxxvii	19	exigua <i>Stimp.</i>	Mass. and Canada.
			<i>H. annulata</i> <i>Case.</i>	
			<i>striatella</i> <i>jun.</i> <i>Gould.</i>	
102			minuscula <i>Binney.</i>	Whole country.
			<i>H. minutalis</i> <i>Mor.</i>	
			<i>apex</i> <i>Adams.</i>	
			<i>Lavelleana</i> <i>Orb.</i> in text.	
			<i>Mauriniana</i> <i>Orb.</i> in tab.	
103	lxxvii	9	asteriscus <i>Morse.</i>	Maine.
			<i>H. minutissima</i> <i>Gould.</i>	
104	lxxx	14	kopnodes <i>W. G. Binney.</i>	Alabama.
105			fuliginosa <i>Binney.</i>	Whole country?
			<i>H. lævigata</i> <i>Fer. teste</i> <i>A. B. non</i> <i>W. G. B.</i>	
			<i>capillacea</i> <i>Pfr.</i>	
			<i>Omphalina cuprea</i> <i>Raf. ?</i>	
106	lxxx	2	friabilis <i>W. G. Binney.</i>	Ind., Ill., Ala., Tex.
107			caduca <i>Pfr.</i>	Texas.
108			lævigata <i>Pfr.</i>	W'rn & S'rn States.
			<i>H. lucubrata</i> <i>Binney, non</i> <i>Say.</i>	
			<i>fuliginosa</i> <i>Binney, olim.</i>	
			<i>inornata</i> <i>Rve.</i>	
109			inornata <i>Say.</i>	N'rn, N. E'rn, W'rn, and Mid. St's, &c.
			<i>H. glaphyra</i> <i>Pfr.</i>	
110			subplana <i>Binney.</i>	Tennessee.
110	lxxvii	15	sculptilis <i>Bland.</i>	North Carolina.
111			cellaria <i>Müll.</i>	N. E'rn & Mid. St's.
			<i>H. glaphyra</i> <i>Say.</i>	
115	lxxix	10	bulbina <i>Desh.</i>	B'ks of O., Mo., Miss.
116			demissa <i>Binney.</i>	Pennsylvania.
116			lucida <i>Dr.</i>	New York and Ohio.
			<i>H. nitida</i> <i>Müll.</i>	
			<i>hydrophila</i> <i>Ing.</i>	
116			arborea <i>Say.</i>	U. S. and Canada.
116	lxxvii	18	Ellioti <i>Redf.</i>	Georgia and N. C.
117			electrina <i>Gould.</i>	E'rn, Mid., W'rn, &
117			Ottonis <i>Pfr.</i>	Florida. [S'rn St's.
117			Steenstrupii <i>Morch.</i>	Greenland.
			<i>Helicella Steenstrupii</i> <i>Morch.</i>	
			<i>H. nitida</i> <i>Fabr.</i>	
			<i>alliaris</i> <i>Forb.</i>	

Page.	Plate.	Fig.	Name.	Locality.
117			<i>Helix capsella</i> Gould.	Tennessee.
			<i>H. rotula</i> Gould.	
			<i>placentula</i> Shuttl.	
117			vortex Pfr.	Georgia and Florida.
			<i>H. selenina</i> Gould in vol. ii.	
118			tenuistriata Binney.	Tennessee.
			<i>H. selenina</i> Gould in vol. iii.	
119			indentata Say.	Whole country.
119			chersina Say.	Whole country.
			<i>H. fulva</i> teste Mighels, &c.	
119			<i>egena</i> Say = <i>chersina</i> teste Binn.	Pennsylvania.
120	lxxvii	17	Fabricii Beck.	Greenland.
			<i>H. nitida</i> Fabr.	
			<i>Conulus Fabricii</i> Morch.	
			<i>H. Hammonis</i> Ström. ?	
121			Gundlachi Pfr.	Florida.
			<i>H. pusilla</i> Pfr.	
			<i>egena</i> Gould, non Say.	
121			interna Say.	Western States, &c.
121			gularis Say.	Tennessee, Alabama,
			<i>H. bicostata</i> Pfr.	Ohio, and Penn.
			<i>Rafinesquea</i> Fer. ?	
122			suppressa Say.	Middle States, Ala.,
			<i>H. gularis</i> (var.) Pfr.	and Florida.
122			laemodon Phillips.	Alabama and Tenn.
			<i>H. macilenta</i> Shuttl. in vol. iii.	
122			perspectiva Say.	N ^{rn} , W ^{rn} , S ^{rn} , and
			<i>H. patula</i> Desh.	Middle States, &c.
123			multidentata Binney.	Vt., Ohio, Me., N. Y.
123			lineata Say.	Whole country.
123			arbustorum Linn. (sp.)	
124			Bonplandi Lam. (sp.)	
124			<i>corpuloides</i> Mont. = Delphinoidea .	
124			<i>harpa</i> Say = Bulimus .	
124			<i>dealbata</i> Say = Bulimus .	
124			deplota Grat. (sp.)	
124			<i>domestica</i> Ström. = Vitrina Angelicæ ?	
124			hieroglyphica Beck. (sp.)	
124			hispida Linn. (sp.)	Canada ?
124			<i>irrorata</i> Say = lactea Müll.	Pennsylvania ?
125			nemoralis Linn. (sp.)	
125			<i>pellucida</i> Fabr. = Vitrina Angelicæ .	
125			pisana Müll. (sp.)	
125			<i>subcylindrica</i> Pult. = Truncatella .	
125			<i>Trumbulli</i> Linsl. = { Margarita arctica ?	
			{ Skenea serpuloides teste Gl.	

Page.	Plate.	Fig.	Name.	Locality.
123			Helix virgata Mont. (sp.)	
125	lxxvii	13	Bulimus zebra Mull.	Florida, Louisiana?
	lxxviii	12	<i>Agatina fuscata</i> Raf.	
126			serperastrus Say.	Texas.
			<i>B. nitelinus</i> Rve.	
			<i>lilacinus</i> Rve.	
			<i>Liebmanni</i> Pf.	
			<i>Ziebmanni</i> ♂ Rve.	
			<i>nitelinus</i> γ Rve.	
126	lxxx	3, 1?	alternatus Say.	Louisiana, Texas.
			<i>B. lactarius</i> Pfr.	
			<i>dealbatus</i> pars Binney.	
128			Marise Albers.	Texas.
128			Binneyanus Pfr.	Texas.
			<i>B. dealbatus</i> (var.) Binney.	
			<i>Schiedeanus</i> Gould, vol. iii.	
129	lxxx	8, 15	Schiedeanus Pfr.	Texas.
129	lxxx	13	patriaroha W. G. Binney.	Texas.
130	lxxx	6, 7	dealbatus Say.	Southwestern St's.
			<i>Helix dealbata</i> Say.	
			<i>B. confinis</i> Rve.	
			<i>liquabilis</i> Rve.	
132			multilineatus Say.	Florida.
			<i>B. virgulatus</i> Binn. vol. iii, excl., syn. non Fer.	
132	lxxx	10	Dorman W. G. Binney.	St. Augustine.
134	lxxix	3	Floridanus Pfr.	Florida.
134			decollatus Linn.	Charleston, S. C.
			<i>B. mutilatus</i> Say.	
134			subula Pfr.	Florida.
			<i>Achatina subula</i> Pfr.	
			<i>B. hortensis</i> Adams.	
134			gracillimus Pfr.	East Florida.
			<i>Achatina gracillima</i> Pfr.	
135			Gossel Pfr.	Texas.
135			harpa Say.	N. W. Terr., Maine.
			<i>Helix harpa</i> Say.	
136			marginatus Say.	Whole country?
			<i>Cyclostoma marginata</i> Say.	
			<i>Pupa fallax</i> Say.	
			<i>albilabris</i> Adams.	
			<i>Parraiana</i> Orb.	
			<i>placida</i> Say?	
			<i>B. fallax</i> Gould.	
137			acioula Mull. }	Introduced.
137			octona Brug. }	

Page.	Plate.	Fig.	Name.	Locality.
137			<i>Bulimus exiguus</i> Binney = <i>Carychium exiguum</i> .	
137			<i>fasciatus</i> Binney = <i>Achatina</i> .	
137			<i>Gossei</i> Pfr. } = <i>Macr. pontificus</i> ?	
137			<i>Kieneri</i> Pfr. }	
137			<i>lubricus</i> Adams = <i>Achatina</i> .	
137			<i>obscurus</i> vid. <i>Pupa placida</i> .	
137			<i>striatus</i> Brug. = <i>Glandina truncata</i> .	
137			<i>vexillum</i> Brug. } = <i>Achatina fasciata</i> .	
137			<i>zebra</i> Orb. }	
137			<i>vermetus</i> Anthony (sp.)	Cincinnati.
137			<i>Mauroceramus pontificus</i> Gld.	E. Florida and Cuba.
			<i>Bulimus Kieneri</i> ?	
			<i>Pupa pontifica</i> Gould.	
138			<i>Achatina fasciata</i> Müll.	Florida.
			<i>Bulimus fuscatus</i> Binney.	
			<i>Buccinum fasciatum</i> Müll.	
			<i>A. solida</i> Say.	
			<i>picta</i> Rve., &c. &c.	
			<i>Agatina variegata</i> Raf.	
138			<i>lubrica</i> Müll.	N. W. Terr., N. W. & N.
			<i>Bulimus lubricus</i> Binney.	and Midd. States.
			<i>lubricoides</i> St., &c. &c.	
138			<i>virginea</i> Jay (sp.)	
			<i>Bulimus vexillum</i> De Kay.	
138			<i>bullata</i> Pfr.	} = <i>Glandina</i> .
139			<i>striata</i> De Kay.	
139			<i>Texasiana</i> Pfr.	
139			<i>truncata</i> Pfr.	
139			<i>Vanuzemensis</i> Pfr.	
139			<i>flammigera</i> De Kay (sp.)	
139			<i>flammigera</i> Say = <i>Bulimus zebra</i> .	
139			<i>gracillima</i> Pfr. = <i>Bulimus</i> .	
139			<i>pellucida</i> Binney = <i>Blauneria pellucida</i> .	
139			<i>rosea</i> Desh. = <i>Glandina truncata</i> .	
139			<i>subula</i> Pfr. = <i>Bulimus</i> .	
139			<i>Glandina bullata</i> Gould.	Louisiana.
			<i>Achatina bullata</i> Pfr.	
			<i>Oleacina bullata</i> Gr. and Pf.	
139	lxi	1	<i>corneola</i> W. G. Binney.	Texas and Mexico.
			<i>G. truncata</i> (var.) Binney.	
140	lxii	2	<i>parallela</i> W. G. Binney.	Louisiana.
			<i>G. truncata</i> (var.) Binney.	
140	lxxvii	21	<i>Texasiana</i> Pfr.	Texas.
			<i>G. truncata</i> (var.) Binney.	
			<i>Achatina Texasiana</i> Pfr.	

Page.	Plate.	Fig.	Name.	Locality.
141	lxxx	9	Glandina truncata Gmelin. <i>Achatina truncata</i> Pfr., &c. <i>Planorbis glans</i> De Kay. <i>Oleacina truncata</i> Gr. and Pfr. <i>Achatina striata</i> Ch.	Southern States.
141			Vanuxemensis Lea. <i>Achatina Vanuxemensis</i> Pfr. <i>Oleacina Vanuxemensis</i> Gr. and Pfr.	Texas and Mexico.
141	lxxix	17	Pupa incana Binney. <i>P. maritima</i> Gould, non Pfr. <i>detrita</i> Shuttl.	Florida and Cuba.
142			modica Gould.	Florida.
142			armifera Say. <i>P. rupicola</i> Pfr. Symb.	Whole country?
142			badia Adams. <i>P. muscorum</i> teste Pfr.	Crown Point.
143			contracta Say. <i>P. corticaria</i> Pfr. Symb. <i>deltostoma</i> Charp. <i>Vertigo contracta</i> Ad. Gen.	Whole country?
143			decora Gould. <i>Vertigo decorata</i> Ad. Gen.	Lake Superior.
143			pentodon Say. <i>Vertigo pentodon</i> Say. <i>P. curvidens</i> Gould. <i>Tappaniana</i> Ward.	Whole country?
144			placida Say. <i>P. fallax</i> teste De Kay, &c. <i>Bulimus hordeaceus?</i> teste De Kay. <i>obscurus</i> teste Gould, &c.	Massachusetts.
145			rupicola Say. <i>Carychium?</i> <i>rupicola</i> Say. <i>P. procera</i> Gould. <i>carinata</i> Gould. <i>gibbosa</i> Chemn. <i>minuta</i> Pfr. <i>Vertigo rupicola</i> Binney. <i>minuta</i> Ads. Gen.?	Ark., S. C., Md., Fla., and St. Croix.
146			variolosa Gould. <i>Vertigo variolosa</i> Ads. Gen.	East Florida.
146			corticaria Say. <i>Odostomia corticaria</i> Say. <i>Carychium corticaria</i> Fer.	Mid. States & Miss.
147			pellucida Pfr.	Texas and Cuba.

Page.	Plate.	Fig.	Name.	Locality.
147			Pupa Hoppii Møll.	Greenland.
			<i>P. Steenbuchii</i> Beck.	
147			<i>albūtabris</i> Adams = Bulimus marginatus.	
147			<i>costulata</i> Mighels = Bulimus harpa.	
147			<i>exigua</i> Say = Carychium.	
147			<i>fallax</i> Say = Bulimus marginatus.	
148			<i>Gouldii</i> Binney } = Vertigo.	
143			<i>milium</i> Gould }	
148			<i>modesta</i> Say }	
148			<i>ovata</i> Gould }	= Vertigo ovata.
148			<i>ovulum</i> Pfr. }	
148			<i>Parraiana</i> Orb. = Bulimus marginatus.	
148			<i>simplex</i> Gould = Vertigo.	
143			<i>unicarinata</i> Binney = Macr. pontificus.	
143			Vertigo Gouldii Binney.	N. England, Penn'a,
			<i>Pupa Gouldii</i> Binney.	N. Y., and Md.
143			<i>milium</i> Gould.	New England, Ohio,
			<i>Pupa milium</i> Gould.	Mississippi.
148			<i>ovata</i> Say.	Whole country?
			<i>Pupa ovata</i> Gould, &c.	
			<i>modesta</i> Say.	
			<i>ovulum</i> Pfr.	
148			simplex Gould.	Mass. and Conn.
			<i>Pupa simplex</i> Gould, &c.	
149			<i>contracta</i> Ads. Gen. }	
149			<i>decora</i> Ads. Gen. }	= Pupa.
149			<i>minuta</i> Ads. Gen. = Pupa rupicola.	
149			<i>pentodon</i> Say }	
149			<i>rupicola</i> Binney. }	= Pupa.
149			Cylindrella variegata Pfr.	Florida?
			<i>C. lactaria</i> Gould.	
149			Poeyana Orb.	Florida.
			<i>Pupa Poeyana</i> Orb.	
			<i>C. lactaria</i> Binney in tab.	
150			<i>jejuna</i> Gould.	Florida.
			<i>C. variegata</i> teste Pfr.	
150			Roemeri Pfr.	New Braunfels, Tex.
151	lxxix	23	Goldfussi Pfr.	Texas.
151			<i>pontifica</i> Gould = Macroceramus.	
152			<i>Aplodon nodosum</i> Raf.	
152			<i>Chimotrema planiuscula</i> Raf.	
152			<i>Hemiloma avara</i> Raf.	
152			<i>Mesodon maculatum</i> Raf.	
152			<i>Mesomphix</i> Raf.	
152			<i>Odotropis</i> Raf.	

Page.	Plate.	Fig.	Name.	Locality.
153			<i>Omphalina cuprea</i> Raf. = <i>Helix fuliginosa</i> ?	
152			<i>Stenostoma</i> Raf.	
152			<i>Stenotrema convexa</i> Raf.	
152			<i>Toxostoma globularis</i> Raf.	
152			<i>Toxotrema complanata</i> Raf.	
152			<i>Triodopsis lunula</i> Raf.	
152			<i>Trophodon</i> Raf.	
152			<i>Xolotrema lunula</i> Raf.	
152			<i>triodopsis</i> Raf.	
152			<i>Partula Otaheitana</i> Fer. (e. l.)	

Family Auriculacea.

156	lxxv	23	Melampus bidentatus Say.	Whole coast.
			<i>M. biplicatus</i> Pfr.	
			<i>corneus</i> Stimp.	
			<i>Jaumei</i> Pfr.	
			<i>lineatus</i> Beck.	
			<i>Auricula cornea</i> Desh.	
			<i>bidentata</i> Gould.	
			<i>Jaumei</i> Mittre.	
			<i>biplicata</i> Desh.	
			<i>Conovulus biplicatus</i> Beck.	
161	lxxv	12, 13	cingulatus Pfr.	Florida and W. I.
			<i>Auricula oliva</i> Orb.	
			<i>stenostoma</i> Küst.	
			&c. &c.	
162	lxxv	21, 25	coflea Linn.	Fla., Mex., & W. I.
			(Synonyms all foreign.)	
165	lxxv	30	Floridanus Pfr.	Florida.
			(Synonyms all foreign.)	
166			flavus Gmelin (cut).	Florida.
			(Synonyms all foreign.)	
167			obliquus Say.	South Carolina.
			<i>Auricula obliqua</i> De Kay.	
168	lxxv	29	pusillus Gmelin.	Florida.
			(Synonyms all foreign.)	
170			Redfieldi Pfr.	Florida?
171			<i>borealis</i> Conrad	} = Alexia myosotis.
171			<i>denticulatus</i> Stimp.	
171			<i>Auricula bidentata</i>	} = Melampus.
171			<i>biplicata</i>	
171			<i>cingulata</i>	
171			<i>coniformis</i>	
171			<i>cornea</i>	
172			<i>denticulata</i>	

Page.	Plate.	Fig.	Name.	Locality.
172			<i>Auricula Floridana</i> = Melampus .	
172			<i>Jaumei</i> = Melampus bidentatus .	
172			<i>nitens</i> = pusillus .	
172			<i>obliqua</i> = obliquus .	
172			<i>oliva</i> = cingulatus .	
172			<i>pusilla</i> = pusillus .	
172			<i>Sayii</i> = Leuconia .	
172			<i>stenostoma</i> = Melampus cingulatus .	
172	lxxv	33	Alexia myosotis Drap.	Mass., N. Y., R. I.
	lxxix	16	<i>Auricula denticulata</i> Gould.	
			<i>Melampus denticulatus</i> Stimp.	
			<i>borealis</i> Conrad.	
			<i>turritus</i> Say ined.	
175			Blauneria pellucida Pfr.	Florida, S. Carolina.
			<i>Achatina pellucida</i> Binney.	
			(Other synonyms foreign.)	
177	lxxv	34	Leuconia (?) Sayii Küster.	
			<i>Auricula Sayii</i> Küst.	
178			Carychium exiguum Say.	Whole country?
			<i>Pupa exigua</i> Say.	
			<i>Bulimus exiguus</i> Binney.	
			<i>C. exile</i> H. C. Lea.	
			<i>existelium</i> Bourg.	
			<i>euphazum</i> Bourg.	
183			<i>armigerum</i>	} = Pupa.
183			<i>contractum</i>	
183			<i>rupicolum</i>	
183			<i>corticarium</i>	

Family **Aciculacea**.

185	lxxv	2, 4	Truncatella Caribæensis Sowb.	Fla., Mexico, Ala.
			(Synonyms all foreign.)	
186	lxxv	5, 6, 8	<i>subcylindrica</i> Gray.	Florida.
188	lxxv	3, 7	<i>biabiata</i> Pfr.	Florida.
189	lxxv	1, 9, 10	<i>pulchella</i> Pfr.	Florida.

Family **Cyclostomacea**.

191	lxxv	24	Chondropoma dentatum Say.	Florida.
			<i>Cyclostoma dentatum</i> Say.	
191			<i>Cyclostoma Cincinnatiensis</i> Lea	} = Amnicola .
191			<i>lapidaria</i> Say	
191			<i>marginalis</i> Kirt.	} = Bul. marginatus .
191			<i>marginata</i> Say	
191			<i>tricarinata</i> Say	= Valvata .

Family **Helicinacea.**

Page.	Plate.	Fig.	Name.	Locality.
192			Helicina chrysochella Binney.	Tampico, Texas.
192	lxxv	14, 16	Hanleyana Pfr.	New Orleans.
193			occulta Say (fossil?)	Western States.
			<i>H. rubella</i> Green?	
193			orbiculata Say.	Georgia, Tenn., Ala.,
			<i>Olygyra orbiculata</i> Say.	Texas, &c.
			<i>H. vestita</i> Gmld?	
			<i>castanea</i> Sowerby?	
194			tropica Ian. (pl. lxxiii part.)	Texas.
			<i>H. Ambeliana</i> Sowerby.	
195	lxxv	17	subglobulosa Peey.	Key Biscayne.
196			<i>fastigiata</i> De Kay	} = Helix.
196			<i>plicata</i> De Kay	

Tufts.—Catalogue of Shells deposited in the State Cabinet: by
SAMUEL TUFTS, Jr. (From Catalogue of Massachusetts State
Cabinet—Appendix. Boston, 1859.)

Pa.	No.		Pa.	No.	
85	26	Teredo navalis.	85	57	Mesodesma arcata.
85	27	Pholas costata.	85	58	Jauresii.
85	11	crispata.	85	59	Montacuta bidentata.
85	28	Solen ensis.	85	60	Kellia rubra.
85	30	Solecuretus caribbaeus.	85	61	Saxicava distorta.
85	33	Machæra nitida.	85	25	rugosa Stimpson.
85	34	costata.	85	63	Petricola pholadiformis.
85	35	Solemya velum.			
85	36	borealis.	85	66	Sanguinolaria fusca.
85	39	Glycymeris siliqua.	85	67	sordida.
85	40	Mya arenaria.	85	67	Tellina tenta.
85	42	truncata.	85	68	tenera.
85	43	Corbula contracta.	85	69	Lucina radula.
85	44	Pandora trilineata.	85	71	flexuosa.
85	46	Lyonsia hyalina.	86	72	Cyclas partumeia.
85	47	Anatina papyracea.	86	74	elegans.
85	49	Cochlodesma Leana.	86	75	Pisidium dubium.
85	50	Thracia Conradi.	86	76	Astarte castanea.
85	23	Couthouyi.	86	78	sulcata.
85	22	truncata.	86	80	lactea.
85	51	Macra solidissima.	86	81	quadra.
85	53	ovalis.	86	82	Cyprina Islandica.
85	54	lateralis.	86	84	Cytherea convexa.

Pa.	No.		Pa.	No.	
86	85	Venus mercenaria.	86	146	Chiton apiculatus.
86	86	notata.	86	148	fulminatus.
86	88	gemma.	86	149	ruber.
86	89	Cardium Islandicum.	86	150	albus.
86	90	pinnulatum.	86	151	Emersonianus.
86	91	Mortoni.	87	153	Lottia testudinalis.
86	92	Grœnlandicum.	87	154	alveus.
86	94	Cardita borealis.	87	155	Dentalium dentale.
86	95	Arca pexata.	87	156	Cemoria Noachina.
86	96	transversa.	87	158	Crepidula fornicata.
86	97	Nucula thracæformis.	87	159	plana.
86	98	limatula.	87	160	convexa.
86	99	myalis.	87	162	Bulla insculpta.
86	100	sapotilla.	87	163	hiemalis.
86	101	minuta.	87	163	Gouldii.
86	102	Jacksonii.	87	164	debilis.
86	103	proxima.	87	165	triticea.
86	105	tennis.	87	166	canaliculata.
86	107	Unio complanatus.	87	167	obstricta.
86	109	nasutus.	87	168	oryza.
86	110	radiatus.	87	169	lineolata.
86	111	cariosus.	87	170	Helix albolabris.
86	112	ochraceus.	87	171	thyroidus.
86	113	Alasmodon arcuata.	87	172	hortensis.
86	115	undulata.	87	173	tridentata.
86	116	marginata.	87	174	monodon.
86	117	Anodon fluviatilis.	87	175	hirsuta.
86	118	implicata.	87	176	pulchella.
86	120	undulata.	87	177	alternata.
86	121	Mytilus edulis.	87	178	striatella.
86	123	Modiola modiolus.	87	179	lineata.
86	125	plicatula.	87	180	cellaria.
86	127	pectinula.	87	181	indentata.
86	128	nexa.	87	182	arborea.
86	129	discrepans.	87	184	labyrinthica.
86	130	discoors.	87	185	ohersina.
86	131	glandula.	87		Pupa ——— ?
86	132	Pecten Magellanicus.	87		————— ?
86	133	Islandicus.	87	193	Bulinus lubricus.
86	134	concentricus.	87	194	Succinea ovalis.
86	137	Ostrea borealis.	87	195	obliqua.
86	138	Anomia ephippium.	87	196	avara.
86	141	Terebratula caput ser-	87	197	Auricula bidentata.
		pentia.	87	199	denticulata.
86	142	psittacea.	87	201	Planorbis trivolvus.

Pa.	No.		Pa.	No.	
87	202	<i>Planorbis lentus.</i>	88	261	<i>Lacuna vineta.</i>
87	203	<i>bicarinatus.</i>	88	263	<i>var. fusca.</i>
87	204	<i>campanulatus.</i>	88	263	<i>neritoidea.</i>
87	205	<i>armigerus.</i>	88	265	<i>Cingula minuta.</i>
87	206	<i>hirsutus.</i>	88	266	<i>aculeus.</i>
87	209	<i>parvus.</i>	88	267	<i>Turritella erosa.</i>
87	211	<i>Physa heterostropha.</i>	88	35	<i>acicula Stimpson.</i>
87	213	<i>ancillaria.</i>	88	269	<i>Pyramis striatula.</i>
87	214	<i>elongata.</i>	88	272	<i>Odostomia exigua.</i>
87	215	<i>Limnea columella.</i>	88	275	<i>Cerithium Emersonii.</i>
87	217	<i>macrostoma.</i>	88	278	<i>Sayii.</i>
87	218	<i>modicellus.</i>	88	279	<i>Greenii.</i>
87	219	<i>decidiosa.</i>	88		<i>Pleurotoma cerinum</i>
87	221	<i>elodes.</i>	88	280	<i>decussata. [Stimp.]</i>
87	224	<i>Ancylus fuscus.</i>	88	283	<i>Cancellaria Couthouyi.</i>
87	224	<i>rivularis.</i>	88	284	<i>Fusus Islandicus.</i>
87	225	<i>Valvata tricarinata.</i>	88	285	<i>ventricosus.</i>
87	226	<i>pupoides.</i>	88	287	<i>decemcostatus.</i>
87	227	<i>Paludina decisa.</i>	88	288	<i>scalariformis.</i>
87	229	<i>Amnicola porata.</i>	88	289	<i>Bamffius.</i>
87	231	<i>Natica heros.</i>	88	290	<i>rufus.</i>
87	233	<i>triseriata.</i>	88	291	<i>harpularius.</i>
87	234	<i>immaculata.</i>	88	292	<i>turricula.</i>
87	235	<i>canaliculata.</i>	88	293	<i>muricatus.</i>
87	236	<i>duplicata.</i>	88	294	<i>Pyrula canaliculata.</i>
87	237	<i>pusilla.</i>	88	296	<i>carica.</i>
87	238	<i>clausa.</i>	88	297	<i>Ranella caudata.</i>
87	239	<i>flava.</i>	88	298	<i>Rostellaria occiden-</i>
87	240	<i>Janthina fragilis.</i>			<i>talis.</i>
88	241	<i>Velutina lævigata.</i>	88	300	<i>Trichotropis borealis.</i>
88	242	<i>zonata.</i>	88	301	<i>Purpura lapillus.</i>
88	244	<i>Sigaretus halliotoideus.</i>	88	303	<i>Buccinum plicosum.</i>
88	246	<i>Vermetus lumbricalis.</i>	88	304	<i>Donovani.</i>
88	249	<i>Scalaria Grœnlandica.</i>	88	305	<i>undatum.</i>
88	252	<i>Margarita cinerea.</i>	88	307	<i>ciliatum.</i>
88	253	<i>obscura.</i>	88	308	<i>obsoletum.</i>
88	254	<i>undulata.</i>	88	309	<i>trivittatum.</i>
88	255	<i>arctica.</i>	88	310	<i>vibex.</i>
88	256	<i>argentata.</i>	88	311	<i>rosaceum.</i>
88	257	<i>Littorina rudis.</i>	88	312	<i>lunatum.</i>
88	259	<i>tenebrosa.</i>	88	313	<i>Columbella avara.</i>
88	260	<i>palliat.</i>			

Carpenter.—Report on the Present State of our Knowledge with regard to the Mollusca of the West Coast of North America: by PHILIP P. CARPENTER. (From the Report of the British Association for the Advancement of Science for 1856. London, 1857.)

[To this admirable Report I refer for the full synonymy, references, and dates of the species of the following list, which embodies the selected names only of the species of the "Northern Fauna" and "Gulf of California," omitting those of Central America, Panama, and Gallapagos. As stated in the preface, I have not given the same attention to the synonymy of the west coast species, the labor having been so thoroughly done by Mr. CARPENTER. The names of species about which any doubt exists are included in parentheses. I omit the Bryozoa.—W. G. B.]

I. ARCTIC FAUNA.

CLASS PALLIOBRANCHIATA.

Page.	Page.
298	<i>Rhynchonella psittacea.</i>

CLASS LAMELLIBRANCHIATA.

299	<i>Saxicava pholadis.</i>	305	<i>Venus (Astartoides).</i>
299	<i>Petricola gibba.</i>	306	<i>Astarte (corrugata).</i>
299	<i>cylindracea.</i>	307	<i>Cardium Californiense.</i>
299	<i>Saxidomus gigantea.</i>	307	<i>Nuttalli.</i>
299	<i>Petiti.</i>	309	<i>Mytilus edulis.</i>
300	<i>Mya arenaria.</i>	309	<i>Modiola cultellus.</i>
300	<i>Lutraria maxima.</i>	309	<i>modiolus.</i>
301	<i>Machæra costata.</i>	310	<i>Pectunculus septentrio-</i>
301	<i>Tellina solidula.</i>		<i>nalis.</i>
301	<i>(lata).</i>	310	<i>Nucula castrensis.</i>
301	<i>(lutea).</i>	311	<i>Pecten rubidus.</i>
301	<i>edentula.</i>	312	<i>Placunanomia patellifor-</i>
302	<i>nasuta.</i>		<i>mis.</i>
304	<i>Mactra (ovalis).</i>	312	<i>(macrochisma).</i>

CLASS GASTEROPODA.

313	<i>Dendronotus arborescens.</i>	317	<i>Tonleia Brandtii.</i>
313	<i>Helis pinnata.</i>	317	<i>Sitohensis.</i>
313	<i>Flabellina crassicornis.</i>	317	<i>Eschscholtzii.</i>
313	<i>subrosacea.</i>	317	<i>Merokii.</i>
317	<i>Dentalium politum.</i>	317	<i>insignis.</i>
317	<i>Lepidochiton lividus.</i>	317	<i>lineata.</i>

Page.		Page.	
318	<i>Katherina submarmorea.</i>	327	<i>Lacona glacialis.</i>
318	<i>tunicata.</i>	328	<i>Trichotropis (bicarinata).</i>
318	<i>Cryptochiton Stelleri.</i>	328	<i>cancellata.</i>
318	[Gen. indet.] <i>Wosnessenskii.</i>	328	<i>insignis.</i>
318	<i>Nacella Asmi.</i>	328	<i>inermis.</i>
319	<i>Aomaea personoides.</i>	329	<i>Admete viridula.</i>
319	<i>pileolus.</i>	329	<i>arctica.</i>
319	<i>digitalis.</i>	336	<i>Scalaria Groenlandica.</i>
319	<i>cassis.</i>	336	<i>Natica clausa.</i>
319	<i>pelta.</i>	336	<i>Lunatia flava.</i>
319	<i>patina.</i>	337	<i>Velutina coriacea.</i>
319	<i>persona.</i>	337	<i>spongiosa.</i>
319	<i>Scurria mitra.</i>	337	<i>Sitchensis.</i>
319	<i>Fissurella (violacea).</i>	338	(<i>Argobuccinum</i>) <i>cancellata.</i>
320	<i>Glyphis aspera.</i>	338	<i>scabrum.</i> [tum.
320	<i>Haliotis aquatilis.</i>	340	<i>Purpura Freycinetii.</i>
320	<i>Kamtschatkiana.</i>	340	(<i>decemcostata</i>).
320	<i>Callopoma (Fokkesii).</i>	340	<i>lapillus.</i>
321	<i>Oslinus ater.</i>	340	<i>septentrionalis.</i>
321	<i>Omphalius modestus.</i>	342	<i>Buccinum tenebrosus.</i>
321	<i>mæstus.</i>	342	(<i>ovum</i>).
321	<i>euryomphalus.</i>	342	<i>Bulla ampullacea.</i>
321	<i>Margarita arctica.</i>	343	<i>Chrysodomus Sabinii.</i>
321	<i>striata.</i>	343	(<i>antiquus</i>).
321	<i>sulcata.</i>	343	(<i>deformis</i>).
321	<i>callostoma.</i>	343	(<i>Islandicus</i>).
323	<i>Crepidula (grandis).</i>	343	(<i>Behringii</i>).
323	<i>Sitchana.</i>	343	(<i>Baeri</i>).
323	<i>minuta.</i>	343	<i>Sitchensis.</i>
325	<i>Turritella Eschrichtii.</i>	343	<i>luridus.</i>
326	<i>Littorina Kurila.</i>	343	<i>Trophon clathratum.</i>
326	<i>Sitchana.</i>	345	(<i>Cerastoma</i>) <i>monodon.</i>
326	<i>modesta.</i>	345	(<i>Muricidea</i>) <i>lactuca.</i>
326	[<i>aspera</i>].		

CLASS CEPHALOPODA.

345	<i>Ootopus</i> —.	345	<i>Onychoteuthis (Bergii).</i>
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II. OREGON FAUNA.

CLASS PALLIOBRANCHIATA.

298	<i>Terebratula pulvinata.</i>	298	<i>Terebratula canrena.</i>
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CLASS LAMELLIBRANCHIATA.

Page.		Page.	
299	<i>Petricola cylindracea.</i>	308	<i>Cyclas patella.</i>
299	<i>Saxidomus Nuttalli.</i>	308	<i>egregia.</i>
300	<i>Mya præcisa.</i>	309	<i>Unio famelleus.</i>
300	<i>Panopæa generosa.</i>	309	<i>Alasmodon falcata.</i>
300	<i>Lyonsia bracteata.</i>	309	<i>Anodon feminalis.</i>
301	(<i>picta</i>)	309	<i>Oregonensis.</i>
301	<i>Solen sicarius.</i>	309	<i>Wahlamatensis.</i>
301	<i>maximus.</i>	309	<i>cognata.</i>
301	<i>Machæra Nuttalli.</i>	309	<i>Nuttalliana.</i>
301	<i>Sanguinolaria Californiana.</i>	309	<i>Mytilus edulis.</i>
301	<i>Tellina edentula.</i>	309	(<i>Californiana</i>).
302	<i>nasuta.</i>	309	<i>Modiola modiolus.</i>
302	(<i>inquinata</i>).	309	<i>elongata.</i>
302	<i>Californica.</i>	309	<i>flabellata.</i>
302	<i>Bodegensis.</i>	309	<i>Crenella discrepans.</i>
302	<i>secta.</i>	310	<i>Pectunculus septentrionalis.</i>
304	<i>Mactra falcata.</i>	311	<i>Pecten Fabricii.</i> [lla.
305	<i>Venus calcarea.</i>	311	<i>caurinus.</i>
305	<i>ampliata.</i>	311	<i>hericeus.</i>
305	—.	311	<i>Townsendi.</i>
305	<i>rigida.</i>	312	<i>Ostrea ? conchaphila.</i>
306	<i>Cardita ventricosa.</i>	312	<i>Placunanomia cepio.</i>
307	<i>Cardium Nuttalli.</i>	312	<i>alope.</i>
307	<i>blandum.</i>	312	<i>Anomia lampe.</i>

CLASS GASTEROPODA.

313	<i>Doris</i> —.	314	<i>Helix Kelletti.</i>
313	<i>Goniodoris</i> —.	314	<i>tudiculata.</i>
313	<i>Dendronotus</i> —.	314	<i>Columbiana.</i>
313	<i>Helis</i> —.	314	<i>Townsendiana.</i>
313	<i>Chloræra leonina.</i>	314	<i>Californiensis.</i>
313	<i>Haminea</i>	314	<i>areolata.</i>
313	<i>Limax Columbianus.</i>	315	<i>Succinea rusticana.</i>
313	<i>Arion foliolatus.</i>	315	<i>Oregonensis.</i>
314	<i>Helix Oregonensis.</i>	316	<i>Limnæa lepida.</i>
314	<i>labiosa.</i>	316	<i>apicina.</i>
314	<i>loricata.</i>	316	<i>Nuttalliana.</i>
314	<i>Baskervillei.</i>	316	<i>ferruginea.</i>
314	<i>fidelis.</i>	316	<i>umbrosa.</i>
314	<i>strigosa.</i>	316	<i>Physa bullata.</i>
314	<i>sportella.</i>	316	—.
314	<i>Vancouverensis.</i>	316	<i>Planorbis vermicularis.</i>
314	<i>germana.</i>	316	<i>corpulentus.</i>
314	<i>Pandoræ.</i>	316	<i>subcrenatus.</i>

Page.		Page.	
316	<i>Planorbis opercularis</i> .	325	<i>Melania plicifera</i> .
317	<i>Dentalium</i> ———.	325	<i>bulbosa</i> .
317	<i>Callochiton interstinctus</i> .	325	<i>plicata</i> .
317	<i>Chiton muscosus</i> .	326	<i>Litorina lepidæ</i> .
318	<i>Mopalia vespertina</i> .	326	<i>scutellata</i> .
318	<i>Katherina Douglasiæ</i> .	327	<i>Lacuna carinata</i> .
318	<i>Cryptochiton Stelleri</i> .	328	<i>Trichotropis borealis</i> .
318	[Gen. indet.] <i>lignosus</i> .	331	<i>Bela fidicula</i> .
318	<i>dentiens</i> .	335	<i>Cerithiopsis filosa</i> .
318	<i>Nacella instabilis</i> .	336	<i>Scalaria australis</i> .
319	<i>Acmæa pelta</i> .	336	—————.
319	<i>persona</i> .	336	<i>Lunatia caurina</i> .
319	<i>textilina</i> .	336	<i>impervia</i> .
319	<i>fimbriata</i> .	336	<i>Lewesi</i> .
319	<i>cribraria</i> .	336	<i>algida</i> .
319	<i>spectrum</i> .	337	<i>Polinices perspicua</i> .
319	<i>Scurria mitra</i> .	337	<i>Triton (tigrinus)</i> .
320	<i>Glyphis oratitia</i> .	338	(<i>Argobuccinum</i>) <i>Oregon-</i>
320	<i>Puncturella cucullata</i> .	339	<i>Olivella</i> ———. [ense.
320	<i>galeata</i> .	340	<i>Purpura lapillus</i> .
320	<i>Haliotis</i> ———.	340	<i>septentrionalis</i> .
320	<i>Trochus annulatus</i> .	340	<i>ostrina</i> .
320	(<i>Zisiphinus</i>) <i>filosus</i> .	340	<i>lagena</i> .
321	(<i>lima</i>).	341	<i>Columbella gausapata</i> .
321	<i>Trochiscus Norrisii</i> .	342	<i>Buccinum corrugatum</i> .
321	<i>Livonia (pica)</i> .	342	<i>Nassa mendica</i> .
323	<i>Galerus fastigiatus</i> .	342	<i>fossata</i> .
323	<i>Crepidula ? nummaria</i> .	343	<i>Trophon Orpheus</i> .
323	<i>rostriformis</i> .	343	<i>corrugatum</i> .
323	<i>? lingulata</i> .	343	<i>cancellinum</i> .
325	<i>Melania silicula</i> .	345	(<i>Cerastoma</i>) <i>foliatum</i> .

III. UPPER CALIFORNIA FAUNA.

CLASS PALLIOBRANCHIATA.

298	<i>Discina Evansii</i> .	298	<i>Waldheimia (Californica)</i> .
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CLASS LAMELLIBRANCHIATA.

299	<i>Pholadidea penita</i> .	299	<i>Saxidomus Nuttalli</i> .
299	<i>Parapholas Californica</i> .	300	<i>Lutraria maxima</i> .
299	<i>Saxicava pholadis</i> .	300	<i>Platyodon cancellata</i> .
299	<i>Petricola cylindracea</i> .	300	<i>Cryptodon Nuttalli</i> .
299	<i>Californica</i> .	300	<i>Sphænia Californica</i> .
299	<i>Rupellaria lamellifera</i> .	300	<i>Corbula polychroma</i> .
299	<i>Saxidomus Petittii</i> .	300	(<i>bicarinata</i>).

Page.		Page.	
300	<i>Corbula (nasuta).</i>	307	<i>Chama exogyra.</i>
300	<i>Thracia curta.</i>	307	<i>pellucida.</i>
300	<i>Lyonsia Californica.</i>	307	<i>fr. Mexicana.</i>
301	<i>Mytilimeria Nuttalli.</i>	307	<i>Cardium Californiense.</i>
301	<i>Pandora punctata.</i>	307	<i>Nuttalli.</i>
301	<i>Machæra Nuttalli.</i>	307	<i>quadragenarium.</i>
301	<i>lucida.</i>	307	<i>(Laperoussii).</i>
301	<i>Solecurtus subteres.</i>	308	<i>Diplodonta orbella.</i>
301	<i>Californianus.</i>	308	<i>Kellia Laperousii.</i>
301	<i>Sanguinolaria grandis.</i>	309	<i>Alasmodon falcata.</i>
301	<i>rubroradiata.</i>	309	<i>Anodon cognata.</i>
302	<i>Tellina Bodegensis.</i>	309	<i>Nuttalliana.</i>
302	<i>secta.</i>	309	<i>angulata.</i>
302	<i>alta.</i>	309	<i>Mytilus edulis.</i>
303	<i>? Scrobicularia biangularis.</i>	309	<i>Californianus.</i>
304	<i>Cumingia Californica.</i>	309	<i>bifurcatus.</i>
304	<i>Donax flexuosus.</i>	309	<i>glomeratus.</i>
304	<i>Californicus.</i>	309	<i>Modiola recta.</i>
304	<i>rostratus.</i>	309	<i>nitens.</i>
304	<i>gracilis.</i>	309	<i>capax.</i>
304	<i>Mactra Californica.</i>	309	<i>Lithophagus Gruneri.</i>
304	<i>planulata.</i>	310	<i>Byssosarca (gradata).</i>
305	<i>Trigona tantilla.</i>	310	<i>Pectunculus (inæqualis).</i>
305	<i>crassatelloides.</i>	311	<i>Nucula cælata.</i>
305	<i>Dosinia callosa.</i>	311	<i>Leda (polita)</i>
305	<i>Venus rigida.</i>	311	<i>Isognomon costellatum.</i>
305	<i>Nuttalli.</i>	311	<i>Pecten latiauritus.</i>
306	<i>? Tapes diversa.</i>	312	<i>Ostrea</i>
306	<i>tumida.</i>	312	<i>conchaphila.</i>
306	<i>straminea.</i>	312	<i>Placunanomia macroschis-</i>
306	<i>Trapezium Californicum.</i>	312	<i>Anomia lampe. [ma.</i>

CLASS GASTEROPODA.

313	<i>Bulla nebulosa.</i>	314	<i>Helix infumata.</i>
313	<i>Tornatina culcitella.</i>	314	<i>levis.</i>
313	<i>cerealis.</i>	314	<i>vecillata.</i>
314	<i>Helix tudiculata.</i>	314	<i>Sagraiana.</i>
314	<i>Columbiana.</i>	314	<i>æruginea.</i>
314	<i>Townsendiana.</i>	315	<i>Succinea —.</i>
314	<i>Californiensis.</i>	316	<i>Limnæa umbrosa.</i>
314	<i>areolata.</i>	316	<i>Physa humerosa.</i>
314	<i>vinota.</i>	316	<i>virginlea.</i>
314	<i>loricata.</i>	316	<i>virgata.</i>
314	<i>Niokliniana.</i>	316	<i>Planorbis opercularis.</i>
314	<i>Dupetithouarsii.</i>	316	<i>ammon.</i>

Page.		Page.	
316	<i>Planorbis gracilentus</i> .	321	<i>Omphalius Pfeifferi</i> .
317	<i>Lophyrus (Stokesii)</i> .	321	<i>fuscescens</i> .
317	<i>Lepidochiton Mertensii</i> .	321	<i>marginatus</i> .
317	<i>scrobiculatus</i> .	321	<i>maculosus</i> .
317	<i>Tonidia lineata</i> .	321	<i>aureotinctus</i> .
317	<i>Chiton scaber</i> .	323	<i>Crucibulum spinosum</i> .
318	<i>Mopalia Simpsonii</i> .	323	<i>Galerus (mammillaris)</i> .
318	<i>Cryptochiton Stelleri</i> .	323	<i>Crepidula</i> ———.
318	[Gen. indet.] <i>Wosnessenskii</i> .	323	<i>explanata</i> .
318	<i>Nuttalli</i> .	323	<i>solida</i> .
318	<i>Californicus</i> .	323	<i>aculeata</i> .
318	<i>acutus</i> .	323	<i>incurva</i> .
318	<i>consimilis</i> .	323	<i>rugosa</i> .
318	<i>Montereyensis</i> .	324	<i>Aletes squamigerus</i> .
318	<i>Hartwegii</i> .	324	<i>Spiroglyphus</i> .
318	<i>regularis</i> .	325	<i>Bittium</i> .
319	<i>Acmæa pelta</i> .	325	<i>Cerithidea sacrata</i> .
319	<i>patina</i> .	325	<i>Melania Wahlamatensis</i> .
319	<i>cribraria</i> .	325	<i>occata</i> .
319	<i>spectrum</i> .	325	<i>Amnicola protea</i> .
319	<i>toreuma</i> .	325	<i>longinqua</i> .
319	<i>grandis</i> .	326	<i>Bithinia seminalis</i> .
319	<i>scabra</i> .	326	<i>nuclea</i> .
319	<i>æruginosa</i> .	326	<i>Litorina modesta</i> .
319	<i>Scurria mitra</i> .	326	<i>planaxis</i> .
319	<i>Fissurella (violacea)</i> .	326	<i>plena</i> .
319	<i>ornata</i> .	326	<i>(aspera)</i> .
319	<i>volcano</i> .	327	<i>Lacuna unifasciata</i> .
320	<i>Glyphis densiclathrata</i> .	328	<i>Radius variabilis</i> .
320	<i>Lincolni</i> .	328	<i>Luponia spadicea</i> .
320	<i>Lucapina crenulata</i> .	328	<i>Trivia Californica</i> .
320	<i>Haliotis rufescens</i> .	328	<i>Erato lucophæa</i> .
320	<i>corrugata</i> .	328	<i>columbella</i> .
320	<i>splendens</i> .	332	<i>Clathurella (bella)</i> .
320	<i>Californiensis</i> .	332	<i>Conus ravus</i> .
320	<i>Cracherodii</i> .	332	<i>comptus</i> .
320	<i>Phasianella compta</i> .	333	<i>Odostomia gravida</i> .
320	<i>Callopoma Fokkesii</i> .	334	<i>Chemnitzia tennicula</i> .
320	<i>Pomaulax undosus</i> .	334	<i>torquata</i> .
320	<i>Trochus annulatus</i> .	336	<i>Natica ? maroccana</i> .
320	<i>(Ziziphinus) filiosus</i> .	336	<i>var. Californica</i> .
320	<i>Antonii</i> .	336	<i>Lunatia herculæa</i> .
321	<i>Osilius ater</i> .	337	<i>Neverita Recluziana</i> .
321	<i>Omphalius mœstus</i> .	338	<i>(Argobuccinum) scabrum</i> .
321	<i>euryomphalus</i> .	338	<i>Mitra maura</i> .

Page.		Page.	
339	<i>Marginella Jewettii</i> .	341	<i>Monoceros</i> (brevidenta-
339	(imbricata).	341	<i>Nitidella Gouldii</i> . [tum).
339	<i>Olivella rufofasciata</i> .	341	<i>Columbella Santa Barba-</i>
339	biplicata.	341	carinata. [rensis.
340	<i>Purpura macrostoma</i> .	342	<i>Truncaria</i> (modesta).
340	harpa.	342	<i>Buccinum Poulsoni</i> .
340	emarginata.	342	<i>Nassa fossata</i> .
340	<i>Monoceros engonatum</i> .	342	perpinguis.
340	brevidens.	345	(<i>Cerastoma</i>) Nuttalli.
340	lapilloides.		

IV. LOWER CALIFORNIA FAUNA.

CLASS **PALLIOBRANCHIATA.**298 *Lingula albida*.CLASS **LAMELLIBRANCHIATA.**

299	<i>Pholadidea penita</i> .	305	<i>Venus Nuttalli</i> .
299	ovoidea.	305	excavata.
299	<i>Parapholas Californica</i> .	305	simillima.
299	<i>Saxicava pholadis</i> .	305	fructifrago.
299	<i>Petricola Californica</i> .	305	dispar.
299	<i>Rupellaria lamellifera</i> .	305	Californiensis.
299	<i>Saxidomus Nuttalli</i> .	306	? <i>Tapes straminea</i> .
300	<i>Platyodon cancellata</i> .	306	gracilis.
300	<i>Sphaenia Californica</i> .	306	<i>Trapezium Californicum</i> .
300	<i>Lyonsia</i> (nitida).	307	<i>Chama exogyra</i> .
301	<i>Periploma argentaria</i> .	307	pellucida.
301	<i>Solecurtus subteres</i> .	307	<i>Cardium Californiense</i> .
301	Californianus.	307	Nuttalli.
301	<i>Sanguinolaria Nuttalli</i> .	307	substriatum.
301	miniata.	307	luteolabrum.
301	<i>Psammobia Pacifica</i> .	307	cruentatum.
302	<i>Tellina nasuta</i> .	307	elatum.
302	secta.	307	<i>Lucina bella</i> .
302	vicina.	307	Californica.
302	pura.	307	Nuttalli.
303	<i>Strigilla carnaria</i> .	307	punctata.
303	<i>Semele rubrolineata</i> .	308	<i>Diplodonta orbella</i> .
303	decisa.	309	<i>Mytilus Californianus</i> .
303	flavescens.	309	<i>Modiola capax</i> .
304	<i>Cumingia Californica</i> .	309	<i>Lithophagus attenuatus</i> .
304	<i>Donax</i> (obesus).	310	<i>Byssosarca pernoides</i> .
304	<i>Maotra nasuta</i> .	311	<i>Pecten latiauritus</i> .
305	<i>Trigona crassatelloides</i> .	311	floridus.

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311	Pecten purpuratus.	312	Ostrea conchaphila.
312	Hinnites giganteus.	312	palmula.

CLASS GASTEROPODA.

313	Bulla nebulosa.	324	Petalocochus macro-
313	virescens.		phragma.
313	longinqua.	325	Cerithium stercusmusca-
313	Haminea vesicula.	325	Cerithidea sacrata. [rum.
313	Tornatina inculta.	325	pullata.
314	Helix Kelletti.	325	albonodosa.
314	tudiculata.	326	Littorina ? fasciata.
314	Bulimus pallidior.	328	Radius (Californica).
315	Melampus olivaceus.	328	Erato vitellina.
316	Physa virgata.	329	Cancellaria funiculata.
317	Lepidopleurus Magdalen-	329	ventricosa.
318	Mopalia Blainvillei. [sis.	330	(Myurella) armillata.
318	[Gen. indet. ornatus.	330	Pleurotoma gemmata.
318	Nacella depicta.	330	Drillia inermis.
318	inceasa.	330	plumbea.
319	Acmaea patina.	330	luctuosa.
319	persona.	332	Mangelia plumbea.
319	spectrum.	332	Conus Californicus.
319	grandis.	333	Solarium placendale.
319	scabra.	337	Polinices ? uber.
319	mesoleuca.	338	(Argobuccinum ? scabrum.)
319	fascicularis.	338	Ranella triquetra.
319	Scurria mitra.	338	Californica.
319	Fissurella volcano.	338	muriciformis.
320	Haliotis (Kamtschatki-	339	Olivella (glandinaria).
320	splendens. [ana.)	340	Purpura emarginata.
320	Californiensis.	340	Rhizochelius foveolata.
320	Cracherodii.	340	Vitularia Belcheri
320	Phasianella compta.	340	Pseudoliva Kelletti.
320	Callopoma (Fokkesii).	341	(lugubris).
320	(Ziziphinus) filiosus.	341	Nitidella Californica.
321	Osilinus (gallinus).	341	Columbella carinata.
321	Omphalius moestus.	341	Californiana.
321	aureotinctus.	342	Nassa fossata.
321	brunneus.	342	perpinguis.
323	Crucibulum spinosum.	342	tegula.
323	Crepidula incurva.	345	(Pteronotus) festinus.
324	Hipponyx Grayanus.	345	(Muricidea) perita.
324	Aletes squamigerus.		

V. GULF OF CALIFORNIA FAUNA.

CLASS PALLIOBRANCHIATA.

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298 *Discina Cumingii*.

CLASS LAMELLIBRANCHIATA.

299 *Pholadidea melanura*.
 299 *curta*.
 299 *Parapholas calva*.
 299 *acuminata*.
 299 *Martesia intercalata*.
 299 *Gastrochaena truncata*.
 299 *ovata*.
 299 *Saxicava* ? *arctica*.
 299 *Petricola dactylus*.
 299 *denticulata*.
 299 *ventricosa*.
 299 ———.
 299 *robusta*.
 299 *pholadiformis*.
 299 *Rupellaria foliacea*.
 299 *paupercula*.
 299 *lingua-felis*.
 299 *exarata*.
 299 ———.
 300 ? *Naranio scobina*.
 300 ———.
 300 *Mya* ? ———.
 300 *Sphaenia fragilis*.
 300 (2 sp.)
 300 *Corbula polychroma*.
 300 (2 sp.)
 300 *bicarinata*.
 300 *tenuis*.
 300 *obesa*.
 300 *biradiata*.
 300 ? *ovulata*.
 300 *pustulosa*.
 300 *ventricosa*.
 300 *Thracia squamosa*.
 300 *Tyleria fragilis*.
 300 *Lyonsia* ———.
 301 *diaphana*.
 301 *plota*.

301 *Periploma Leana*.
 301 *planiuscula*.
 301 *excurvata*.
 301 *papyracea*.
 301 *Pandora claviculata*.
 301 *Solecortus politus*.
 301 ———.
 301 *affinis*.
 301 *Sanguinolaria miniata*.
 301 *tellinoides*.
 301 *Psammobia Kindermanni*.
 301 ———.
 302 *Tellina pura*.
 302 *gemma*.
 302 *Mazatlanica*.
 302 *Broderipii*.
 302 *straminea*.
 302 *donacilla*.
 302 *regularis*.
 302 *lamellata*.
 302 *delicatula*.
 302 *denticulata*.
 302 ——— (3 sp.)
 302 *rufescens*.
 302 *eburnea*.
 302 *Dombel*.
 302 *punicea*.
 302 *felix*.
 302 *Cumingii*.
 302 *puella*.
 302 *brevirostris*.
 303 *Strigilla carnaria*.
 303 *lenticula*.
 303 *plafiformis*.
 303 *dichotoma*.
 303 *ervilla*.
 303 *Tellidora Burneti*.
 303 ? *Scrobicularia producta*.

Page.		Page.	
303	<i>Semele flavescens.</i>	305	<i>Venus reticulata.</i>
303	<i>Californica.</i>	305	<i>undatella.</i>
303	? <i>venusta.</i>	305	—— (2 sp.)
304	<i>Cumingia Californica.</i>	306	? <i>orenifera.</i>
304	<i>lamellosa.</i>	306	<i>Columbiensis.</i>
304	<i>trigonalis.</i>	306	<i>amathusia.</i>
304	——.	306	<i>gnidia.</i>
304	<i>Iphigenia lævigata.</i>	306	<i>distans.</i>
304	<i>altior.</i>	306	<i>multicostata.</i>
304	<i>Donax rostratus.</i>	306	<i>Anomalocardia subimbri-</i>
304	<i>Carpenteri.</i>	306	<i>subrugosa.</i> [cata.
304	<i>transversus.</i>	306	? <i>Tapes squamosa.</i>
304	<i>punctatostriatus.</i>	306	<i>histrionica.</i>
304	<i>Conradi.</i>	306	<i>grata.</i>
304	<i>carinatus.</i>	306	<i>Gouldia varians.</i>
304	<i>assimilis.</i>	306	<i>Pacifica.</i>
304	<i>navicula.</i>	306	<i>Circe margarita.</i>
304	<i>Maotra pallida.</i>	306	<i>subtrigona.</i>
304	<i>goniata.</i>	306	<i>Trapezium</i>
304	<i>fragilis.</i>	306	<i>Cardita Californica.</i>
304	<i>Californica.</i>	307	<i>Venericardia</i> ——.
304	<i>exoleta.</i>	307	<i>Chama exogyra.</i>
304	<i>angulata.</i>	307	<i>fr. Mexicana.</i>
304	<i>elegans.</i>	307	<i>spinosa.</i>
304	<i>Gnathodon mendicus.</i>	307	<i>Cardium elatum.</i>
305	? <i>Clementia gracillima.</i>	307	<i>alabastrum.</i>
305	<i>Trigona (crassatelloides).</i>	307	<i>rotundatum.</i>
305	<i>humilis.</i>	307	—— (7 sp. ind.)
305	<i>argentina.</i>	307	<i>graniferum.</i>
305	<i>radiata.</i>	307	(<i>maculosum</i>).
305	<i>planulata.</i>	307	? <i>senticosum.</i>
305	<i>Dosinia Annæ.</i>	307	<i>Belcheri.</i>
305	<i>ponderosa.</i>	307	<i>procerum.</i>
305	<i>Dunkeri.</i>	307	<i>Lucina punctata.</i>
305	<i>Cyclina subquadrata.</i>	307	<i>annulata.</i>
305	<i>Dione brevispinosa.</i>	307	? <i>muricata.</i>
305	<i>lupinaria.</i>	308	<i>excavata.</i>
305	<i>circinata.</i>	308	<i>pectinata.</i>
305	<i>concinna.</i>	308	<i>cancellaris.</i>
305	<i>rosea.</i>	308	<i>Mazatlanica.</i>
305	<i>chionæa.</i>	308	<i>prolongata.</i>
305	<i>aurantia.</i>	308	—— (3 sp.)
305	<i>vulnerata.</i>	308	<i>fenestrata.</i>
305	<i>Cythærea petechialis.</i>	308	<i>eburnea.</i>
305	<i>Venus Californiensis.</i>	308	<i>tigerrina.</i>

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308	? <i>Fimbria</i> ———.	310	<i>Arca reversa</i> .
308	<i>Diplodonta semiaspera</i> .	310	<i>emarginata</i> .
308	<i>subquadrata</i> .	310	<i>Byssarcoa vespertilio</i> .
308	<i>obliqua</i> .	310	<i>fusca</i> .
308	<i>Felania serricata</i> .	310	<i>gradata</i> .
308	<i>Kellia suborbicularis</i> .	310	<i>Pacifica</i> .
308	<i>Lasea</i> ? <i>rubra</i> .	310	<i>mutabilis</i> .
308	<i>trigonalis</i> .	310	<i>solida</i> .
308	<i>oblonga</i> .	310	<i>illota</i> .
308	————.	310	<i>Pectunculus giganteus</i> .
308	<i>Lepton Clementinum</i> .	310	<i>bicolor</i> .
308	<i>Dionæum</i> .	310	<i>parcipictus</i> .
308	<i>umbonatum</i> .	310	? <i>multicostatus</i> .
308	<i>Pythina sublaevis</i> .	310	<i>inaequalis</i> .
308	<i>Montacuta elliptica</i> .	311	<i>Nucula exigua</i> .
308	<i>subquadrata</i> .	311	<i>Leda</i> ? <i>Elenensis</i> .
308	————.	311	<i>Pinna lanceolata</i> .
308	<i>Cyrena olivacea</i> .	311	<i>maura</i> .
308	<i>Mexicana</i> .	311	<i>rugosa</i> .
308	<i>insignis</i> .	311	<i>Avicula sterna</i> . [ca.]
309	<i>subquadrata</i> .	311	(<i>Margaritiphora Mazatlani</i>).
309	(<i>Anodon ciconia</i>).	311	<i>Isognomon Chemnitzia</i> .
309	<i>Mytilus multiformis</i> .	311	<i>Janus</i> . [num.]
309	<i>palliopunctatus</i> .	311	<i>Pecten circularis</i> .
309	<i>Septifer Cumingianus</i> .	311	<i>dentatus</i> .
309	<i>Modiola capax</i> .	311	<i>nodosus</i> .
309	<i>Brazilensis</i> .	311	—— (2 sp.)
309	<i>Crenella coarctata</i> .	311	<i>subnodosus</i> .
309	<i>Lithophagus attenuatus</i> .	311	<i>Lima tetrica</i> .
309	<i>calyculatus</i> .	312	<i>Spondylus</i> .
309	<i>cinnamomeus</i> .	312	<i>calcifer</i> .
310	<i>aristatus</i> .	312	<i>Plicatula penicillata</i> .
310	<i>plumula</i> .	312	<i>Ostrea conchaphila</i> .
310	<i>Leiosolenus spatiosus</i> .	312	<i>palmula</i> .
310	————.	312	<i>Cumingiana</i> .
310	<i>Arca bifrons</i> .	312	————.
310	<i>cardiformis</i> .	312	<i>Columbiensis</i> .
310	—— (2 sp.)	312	<i>Virginica</i> .
310	<i>brevifrons</i> .	312	<i>iridescens</i> .
310	<i>multicostata</i> .	312	<i>Placunanomia claviculata</i> .
310	<i>labiata</i> .	312	<i>pernoides</i> .
310	<i>tuberculosa</i> .	312	<i>foliata</i> .
310	<i>grandis</i> .	312	<i>Anomia lampe</i> .

CLASS GASTEROPODA.

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313	<i>Smaragdinella thecaphora.</i>	318	<i>Patella Mexicana.</i>
313	<i>Bulla nebulosa.</i>	318	<i>pediculus.</i>
313	<i>exarata.</i>	318	<i>discors.</i>
313	—.	318	<i>Nacella</i> —.
313	<i>Quoyi.</i>	319	<i>Acmaea (Mazatlanica).</i>
313	<i>Adamsi.</i>	319	<i>patina.</i>
313	<i>Haminea cymbiformis.</i>	319	<i>persona.</i>
313	<i>Cylloha laticola.</i>	319	<i>scabra.</i>
313	<i>Tornatina carinata.</i>	319	<i>mesoleuca.</i>
313	<i>infrequens.</i>	319	<i>fascicularis.</i>
313	<i>Glandina Albersi.</i>	319	<i>vespertina.</i>
313	<i>turris.</i>	319	<i>livescens.</i>
314	<i>Bulimus Ziegleri.</i>	319	<i>mitella.</i>
314	<i>zebra.</i>	319	<i>Scutellina navicelloides.</i>
314	<i>Mexicanus.</i>	319	<i>Gadinia pentagoniostoma.</i>
315	<i>Succinea cingulata.</i>	319	<i>Fissurella nigrocincta.</i>
315	<i>Melampus olivaceus.</i>	319	<i>alba.</i>
316	<i>Physa aurantia.</i>	319	<i>spongiosa.</i>
316	<i>elata.</i>	319	—.
316	<i>Planorbis tumens.</i>	319	<i>rugosa.</i>
316	<i>Siphonaria æquilirata.</i>	319	<i>virescens.</i>
316	<i>lecanium.</i>	319	<i>(Peruviana).</i>
316	—.	320	<i>Glyphis alta.</i>
316	<i>Ianthina striolata.</i>	320	<i>inaequalis.</i>
316	<i>decollata.</i>	320	<i>Rimula Mazatlanica.</i>
316	<i>Recluzia Rollandiana.</i>	320	<i>Phasianella compta.</i>
317	<i>Dentalium liratum.</i>	320	<i>perforata.</i>
317	<i>hyalinum.</i>	320	<i>Callopoma fluctuosum.</i>
317	<i>corrugatum.</i>	320	<i>Uvanilla olivacea.</i>
317	<i>pretiosum.</i>	320	<i>unguis.</i>
317	<i>Lophyrus articulatus.</i>	320	<i>inermis.</i>
317	<i>albolineatus.</i>	320	<i>Bankivia (variana).</i>
317	<i>striatosquamosus.</i>	320	<i>(Ziziphinus) versicolor.</i>
317	<i>laevigatus.</i>	321	<i>M'Andree.</i>
317	<i>Lepidopleurus Magdalen-</i>	321	—.
317	<i>clathratus.</i> [sis.	321	<i>Omphalius rugosus.</i>
317	<i>bullatus.</i>	321	<i>viridulus.</i>
317	<i>M'Andree.</i>	321	<i>ligulatus.</i>
317	<i>Beani.</i>	321	<i>globulus.</i>
317	<i>sanguineus.</i>	321	<i>Vitrinella decussata.</i>
317	<i>Toncia Forbesii.</i>	321	<i>monilis.</i>
317	<i>Chiton flavescens.</i> [tes.	321	<i>monilifera.</i>
318	<i>Acanthochites Arragoni-</i>	321	<i>lirulata.</i>

Page.		Page.	
321	<i>Vitrinella subquadrata.</i>	323	<i>Crepidula onyx.</i>
321	<i>bifilata.</i>	323	<i>nivea.</i>
321	<i>bifrontia.</i>	323	<i>unguiformis.</i>
321	<i>coronata.</i>	323	<i>dorsata.</i>
321	<i>annulata.</i>	323	(<i>dilatata</i>).
321	<i>cincta.</i>	324	<i>Hipponyx Grayanus.</i>
321	<i>carinulata.</i>	324	<i>serratus.</i>
321	<i>naticoides.</i>	324	<i>antiquatus.</i>
322	<i>planospirata.</i>	324	<i>planatus.</i>
322	<i>orbis.</i>	324	<i>barbatus.</i>
322	<i>Panamensis.</i>	324	<i>Capulus</i> ———.
322	<i>parva.</i>	324	<i>Aletes margaritarum.</i>
322	<i>perparva.</i>	324	<i>centiquadrus.</i>
322	<i>exigua.</i>	324	<i>Vermetus eburneus.</i>
322	? <i>Liotia carinata.</i>	324	<i>Bivonia contorta.</i>
322	<i>striulata.</i>	324	<i>albida.</i>
322	<i>C-B-Adamsi.</i>	324	—— (2 sp.)
322	——.	324	<i>Petalocochnus macro-</i>
322	? <i>Globulus tumens.</i>	<i>phragma.</i>	
322	<i>Ethalia pyricalliosa.</i>	324	<i>Elephantulum insculptum.</i>
322	<i>lirulata.</i>	324	<i>subspirale.</i>
322	<i>pallidula.</i>	324	<i>abnormale.</i>
322	<i>carinata.</i>	324	<i>obtusum.</i>
322	<i>amplectans.</i>	324	<i>liratocinctum.</i>
322	<i>Teinostoma amplexans.</i>	324	<i>heptagonum.</i>
322	<i>substriatum.</i>	324	<i>Anellum elongatum.</i>
322	<i>Nerita scabricosta.</i>	324	<i>subimpressum.</i>
322	<i>Bernhardi.</i>	324	<i>clathratum.</i>
322	<i>Neritina Californica.</i>	324	<i>quadratum.</i>
322	<i>cassiculum.</i>	324	<i>undatum.</i>
322	<i>picta.</i>	324	<i>firmatum.</i>
323	<i>Narica cryptophila.</i>	324	<i>Fartulum farcimen.</i>
323	<i>Crucibulum spinosum.</i>	324	<i>glabriforme.</i>
323	<i>Jewettii.</i>	324	<i>corrugulatum.</i>
323	<i>imbricatum.</i>	324	<i>dextroversum.</i>
323	<i>Calyptræa capacea.</i>	325	<i>reversum.</i>
323	<i>Galerus mammillaris.</i>	325	<i>teres.</i>
323	<i>conicus.</i>	325	<i>læve.</i>
323	<i>subreflexus.</i>	325	<i>Turritella gonistoma.</i>
323	<i>Trochita spirata.</i>	325	<i>tigrina.</i>
323	<i>ventricosa.</i>	325	<i>Cerithium stercusmusca-</i>
323	<i>Crepidula adunca.</i>	325	<i>alboliratum.</i> [rum.
323	<i>aculeata.</i>	325	—— (2 sp.)
323	<i>incurva.</i>	325	<i>maculosum.</i>
323	<i>excavata.</i>	325	<i>famelicum.</i>

Page.		Page.	
325	<i>Cerithium uncinatum.</i>	327	<i>Alaba conica.</i>
325	<i>interruptum.</i>	328	<i>mutans.</i>
325	<i>Vertagus gemmatus.</i>	328	<i>laguncula.</i>
325	—.	328	— (2 sp.)
325	<i>Triphoris alternatus.</i>	328	<i>Planaxis nigrifella.</i>
325	<i>inconspicuus.</i>	328	<i>Radius variabilis.</i>
325	? <i>infrequens.</i>	328	<i>Cypræa exanthema.</i>
325	<i>Cerithidea varicosa.</i>	328	<i>Luponla ? spurca.</i>
325	<i>Montagnei.</i>	328	<i>Aricia arabicula.</i>
326	<i>Ampullaria malleata.</i>	328	<i>Trivia subrostrata.</i>
326	<i>Truncatella</i> —.	328	<i>pulla.</i>
326	<i>Littorina fasciata.</i>	328	<i>sanguinea.</i>
326	<i>coronata.</i>	328	<i>Solandri.</i>
326	—.	328	<i>radians.</i>
326	<i>aspera.</i>	328	<i>pustulata.</i>
326	<i>conspersa.</i>	328	<i>Erato columbella.</i>
326	<i>Philippii.</i>	328	<i>scabriuscula.</i>
326	<i>Modulus catenulatus.</i>	329	<i>Cancellaria candida.</i>
326	<i>disculus.</i>	329	<i>obesa.</i>
326	—.	329	<i>urceolata.</i>
326	<i>Fossarus tuberosus.</i>	329	<i>ventricosa.</i>
326	<i>angulatus.</i>	329	<i>cassidiformis.</i>
326	<i>Isapis ovoidea.</i>	329	<i>solida.</i>
327	<i>maculosa.</i>	329	<i>goniostoma.</i>
327	—.	329	<i>Strombus galeatus.</i>
327	<i>Rissoina stricta.</i>	329	<i>granulatus.</i>
327	<i>Woodwardii.</i>	329	<i>gracilior.</i>
327	—.	329	<i>Subula luctuosa.</i>
327	<i>Barleeia lirata.</i>	330	(<i>Euryta</i>) <i>fulgurata.</i>
327	? <i>Alvania excurvata.</i>	330	<i>aciculata.</i>
327	<i>effusa.</i>	330	<i>Terebra specillata.</i>
327	<i>tumida.</i>	330	<i>robusta.</i>
327	—.	330	(<i>Myurella</i>) <i>armillata.</i>
327	<i>Cingula</i> —.	330	<i>tuberculosa.</i>
327	<i>Hydrobia ulvæ.</i>	330	<i>variegata.</i>
327	—.	330	<i>albocincta.</i>
327	<i>Jeffreysia bifasciata.</i>	330	<i>Hindali.</i>
327	<i>Alderi.</i>	330	<i>subnodosa.</i>
327	<i>tumens.</i>	330	<i>rufocinerea.</i>
327	—.	330	<i>Pleurotoma tuberculifera.</i>
327	<i>Alaba supralirata.</i>	330	<i>bituberoulifera.</i>
327	<i>violacea.</i>	330	<i>nobilis.</i>
327	<i>terebralis.</i>	330	<i>funiculata.</i>
327	<i>alabastrites.</i>	330	<i>maculosa.</i>
327	<i>scalata.</i>	330	<i>picta.</i>

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330	<i>Drillia luctuosa</i> .	334	<i>Parthenia exarata</i> .
330	<i>cerithoidea</i> .	334	<i>xisiphina</i> .
331	<i>monilifera</i> .	334	<i>Chrysallida ovata</i> .
331	<i>albovallosa</i> .	334	<i>nodosa</i> .
331	<i>albonodosa</i> .	334	<i>rotundata</i> .
331	<i>Hanleyi</i> .	334	<i>oblonga</i> .
331	—— (2 sp.)	334	<i>telescopium</i> .
331	<i>rudis</i> .	334	<i>Reigeni</i> .
331	<i>aterrima</i> .	334	<i>effusa</i> .
331	<i>zonulata</i> .	334	<i>fasciata</i> .
331	<i>incrassata</i> .	334	<i>ovulum</i> .
331	<i>Clathurella aurea</i> .	334	<i>convexa</i> .
331	(<i>Defrancia</i>) <i>rava</i> .	334	<i>Photis</i> .
332	<i>Cithara</i> ———.	334	<i>indentata</i> .
332	<i>Mangelia acuticostata</i> .	334	<i>clausiliformis</i> .
332	<i>Conus ferrugatus</i> .	334	<i>communis</i> .
332	<i>concinus</i> .	334	<i>Chemnitzia prolongata</i> .
332	<i>pusillus</i> .	334	<i>muricata</i> .
332	<i>puncticulatus</i> .	334	<i>gibbosa</i> .
332	——.	334	<i>gracillima</i> .
332	<i>scalaris</i> .	334	<i>undata</i> .
332	<i>nux</i> .	334	<i>flavescens</i> .
332	<i>gladiator</i> .	334	<i>terebralis</i> .
332	<i>purpurascens</i> .	334	<i>tenuilirata</i> .
333	<i>regalitis</i> .	335	<i>unifasciata</i> .
333	<i>regularis</i> .	335	—— (4 sp.)
333	? <i>arcuatus</i> .	335	<i>C-B-Adamai</i> .
333	<i>princeps</i> .	335	<i>Panamensis</i> .
333	<i>Solarium (granulatum)</i> .	335	<i>similis</i> .
333	<i>Torinia variegata</i> .	335	<i>aculeus</i> .
333	? <i>granosa</i> .	335	<i>affinis</i> .
333	<i>Obeliscus (achates)</i> .	335	(<i>Dunkeria</i>) <i>paucilirata</i> .
333	? <i>conicus</i> .	335	<i>subangulata</i> .
333	<i>Odostomia subilirulata</i> .	335	<i>cancellata</i> .
333	<i>lamellata</i> .	335	<i>intermedia</i> .
333	<i>subsulcata</i> .	335	<i>Eulimella obsoleta</i> .
334	<i>vallata</i> .	335	—— (3 sp.)
334	<i>mamillata</i> .	335	? ———.
334	<i>tenuis</i> .	335	<i>Aclis fusiformis</i> .
334	——.	335	<i>tumens</i> .
334	(<i>Auriculina</i>) ——— (3 sp.)	335	<i>Eulima hastata</i> .
334	<i>Parthenia scalariformis</i> .	335	(2 sp.)
334	<i>quinquecincta</i> .	335	<i>Leiostraca linearis</i> .
334	<i>lacunata</i> .	335	? <i>distorta</i> .
334	<i>armata</i> .	335	—— (2 sp.)

Page.		Page.	
335	<i>Leliostracea</i> ?recta.	339	<i>Voluta</i> harpa.
335	?solitaria.	339	<i>Marginella</i> curta.
335	?iota.	339	polita.
335	<i>Cerithiopsis</i> tuberculoides.	339	margaritula.
335	cerea.	339	minor.
335	pupiformis.	339	<i>Oliva</i> intertincta.
335	Sorex.	339	Duclosi.
335	convexa.	339	?eburnea.
335	decussata.	339	porphyria.
335	assimilata.	339	angulata.
336	<i>Scalaria</i> indistincta.	339	Melchersi.
336	reflexa.	339	splendidula.
336	suprastrata.	339	venulata.
336	rariocostata.	339	Cumingii.
336	—— (2 sp.)	339	<i>Olivella</i> dama.
336	hexagona.	339	intorta.
336	<i>Cirsotrema</i> funiculata.	339	p. aureocincta.
336	<i>Natica</i> maroceana.	339	anaxora.
336	bifasciata.	339	zonalis.
336	——.	340	tergina.
337	<i>Lunatia</i> tenuilirata.	340	undatella.
337	—— (3 sp.)	340	inconspicua.
337	otis.	340	<i>Aragonia</i> testacea.
337	<i>Neverita</i> glauca.	340	<i>Purpura</i> emarginata.
337	<i>Polinices</i> uber.	340	triangularis.
337	intemerata.	340	triserialis.
337	unimaculata.	340	patula.
337	<i>Sigaretus</i> debilis.	340	columellaris.
337	<i>Lamellaria</i> (2 sp.)	340	muricata.
337	<i>Picula</i> ventricosa.	340	biserialis.
337	<i>Oniscia</i> tuberculosa.	340	<i>Cuma</i> costata.
337	<i>Cassis</i> coarctata.	340	kiosquiformis.
338	(<i>Argobuccinum</i>) nodosum.	340	<i>Rhizocheilus</i> asper.
338	<i>Ranella</i> pectinata.	340	nux.
338	?tuberculata.	340	<i>Vitularia</i> salebrosa.
338	nana.	341	<i>Monoceros</i> tuberculatum.
338	<i>Turbinella</i> caestus.	341	(cornigerum).
338	<i>Lathirus</i> armatus.	341	<i>Nitidella</i>
338	Californicus.	341	cribraria.
338	ceratus.	341	<i>Columbella</i> cervinetta.
338	<i>Leucozon</i> cingulata.	341	nasuta.
338	<i>Fasololaria</i> princeps.	341	major.
338	<i>Mitra</i> lens.	341	strombiformis.
339	<i>Strigatella</i> tristis.	341	fuscata.
		342	<i>Metula</i> —— (4 sp.)

Page.		Page.	
342	<i>Nassa tegula.</i>	343	<i>Anachis pygmæa.</i>
342	<i>crebristriata.</i>	344	<i>Strombina</i>
342	—— (2 sp.)	344	<i>maculosa.</i>
342	<i>versicolor.</i>	344	<i>Pisania gemmata.</i>
342	<i>luteostoma.</i>	344	<i>sanguinolenta.</i>
342	? <i>acuta.</i>	344	<i>insignis.</i>
342	<i>gemmulosa.</i>	344	? (<i>æquilirata</i>).
343	<i>Pyrula patula.</i>	344	<i>ringens.</i>
343	<i>Fusus lignarius.</i>	344	<i>Northia pristis.</i>
343	<i>ambustus.</i>	344	<i>Murex armatus.</i>
343	<i>tumens.</i>	345	<i>plicatus</i>
343	<i>apertus.</i>	345	<i>recurv lividus.</i>
343	—— (2 sp.)	345	(<i>Phyllonotus</i>) <i>imperialis.</i>
343	<i>pallidus.</i>	345	<i>nigritus.</i>
343	<i>Cominella</i> ———.	345	<i>brassica.</i>
343	<i>Anachis tæniata.</i>	345	<i>princeps.</i>
343	<i>nucleolus.</i>	345	<i>nitidus.</i>
343	<i>pallida.</i>	345	<i>bicolor.</i>
343	<i>nigrofusca.</i>	345	<i>regius.</i>
343	<i>serrata.</i>	345	(<i>Muricidea</i>) <i>radicata.</i>
343	<i>rufotincta.</i>	345	<i>fimbriata.</i>
343	<i>albonodosa.</i>	345	<i>pauillus.</i>
343	—— (2 sp.)	345	——.
343	<i>Gaskoini.</i>	345	<i>lapa.</i>
343	<i>costellata.</i>	345	? <i>er. indentata.</i>
343	<i>scalarina.</i>	345	<i>dubia.</i>
343	<i>coronata.</i>	345	<i>Typhis fimbriatus.</i>
343	<i>fulva.</i>	345	<i>grandis.</i>

LIST OF PLATES.

Pl. Fig.		Pl. Fig.	
vi 1-4	<i>Arca grandis.</i>	viii 1	<i>Crepidula nivea.</i>
vii 1 a	<i>Cyrena Mexicana.</i>		<i>Calyptræa squama.</i>
	<i>C. Florida</i> Desh. non		<i>Lessonii.</i>
1 b	<i>altalis.</i> [Conr.]		<i>striolata.</i>
vii 2	<i>Avicula sterna</i> Gould.	viii 2	<i>unguiformis.</i>
vii 3	<i>Gadinia pentagonios-</i>	viii 3	<i>aculeata.</i>
	<i>toma.</i>		<i>Calyptræa echinus.</i>
vii 4	<i>Glyphis inæqualis.</i>		<i>histriz.</i>
	<i>Fissurella pica.</i>		<i>Crepidula costata</i> Mke.
	<i>mus.</i>		non Sb.
vii 5	<i>Fissurella rugosa.</i>		<i>Californica.</i>
	<i>F. chlorotrema.</i>	viii 4	<i>Lophyrus articulatus</i> Sb.
	<i>humilis.</i> [Rv.]	viii 5	<i>Fissurella virescens.</i>
	<i>viminea</i> Mke. non		

Pl.	Fig.		Pl.	Fig.	
ix	1	Crucibulum imbricatum.			<i>Calyptræa tubifera.</i>
		<i>Patella scutellata.</i>			<i>Calypeopsis auriculata.</i>
		<i>Calypeopsis rugosa.</i>			<i>tenuis.</i>
		<i>Dyspotæa dentata.</i>			<i>hispida.</i>
		<i>Calyptræa extintorium</i>			<i>maculata.</i>
		Sby. non Lam.			<i>quiriquina.</i>
		<i>rugosa.</i>			<i>Byronensis.</i>
ix	2	Crepidula indorsata.			<i>rugosa.</i>
		var. bilobata.			<i>lignaria.</i>
ix	3	Crucibulum spinosum.	ix	4	Cæcum undatum.
		<i>Patella Peziza.</i>	ix	5	Neritina cassiculum.

Conrad.—In the Advocate of Science and Annals of Natural History, vol. i, No. 2, September, 1834, Philadelphia. By T. A. CONRAD, are—

Page.	Name.	Locality.
58	Notes on Rangia Cyrenoides.	Mobile.

Rafinesque.—Conchology: a new Tubular Fresh-water Shell of the Alleghany Mountains: by C. S. RAFINESQUE. (From Atlantic Journal and Friend of Knowledge, No. 3, page 121. Philadelphia, 1832.)

Page.	Name.	Locality.
122	Psephides Raf. (n. g.)	
122	parodoxa Raf.	Sherman creek, Perry Co., Pa.
	(Wood-cut on page 121.)	

Rafinesque.—Odatelia: new genus of North American Fluvial Bivalve Shells: by C. S. RAFINESQUE. (From the same, No. 4, 1832.)

Page.		Page.	
154	Odatelia Raf. (n. g.)		<i>Unio dehiscens Say.</i>
154	radiata Raf.		<i>Anodonta prelonga Green.</i>
	<i>Unio oriens Lea.</i>		

C. B. Adams.—(In Silliman's Journal, o. s., vol. xlv, No. 2. Jan.—March, 1843.)

Page.	Name.	Locality.
420	Periploma trapezoides Desh.	Mobile bay.
	<i>Thracia inequalis.</i>	

Anonymous.—Mr. Lea on the Naiades, in the Transactions of the American Philosophical Society. (From Silliman's Journal, o. s., vol. xxii, No. 1, pp. 169–179. July, 1832.)

[No descriptions or synonymy are given, but a repetition of Mr. LEA's Synopsis.—W. G. B.]

Anonymous.—Observations on the Genus Unio, &c., by I. Lea, in the Transactions of the American Philosophical Society. (From Silliman's Journal, o. s., vol. xxvii, No. 2, pp. 371–377. 1835.)

[Extracts from the paper criticized are given, but no new descriptions or synonymy.—W. G. B.]

Anonymous.—Observations, &c., from the Transactions of the American Philosophical Society, vol. vi, No. 1. (From Silliman's Journal, o. s., vol. xxxv, p. 184. 1839.)

[This is a mere notice of one of Mr. LEA's papers, without criticisms or descriptions, with a list of species described.—W. G. B.]

Haldeman.—Correction to the article on Melanians (vol. xli, p. 21): by S. S. HALDEMAN. (From Silliman's Journal, o. s., vol. xlii. December, 1841.)

Page.		Page.	
216	<i>Melania undulata</i> Say.	216	<i>Trochlea</i> Hald. (n. g.)
216	<i>Nerita aurita</i> Müll. = n. g.		(<i>Planaria</i> Capt. Brown.)
	Claviger.	216	<i>alba</i> Brown.
216	<i>Claviger aurita</i> .	216	<i>nitens</i> Lea.
216	<i>tuberculosa</i> .		

Couthouy.—Notes on the following: by J. P. COUTHOUY. (From Silliman's Journal, o. s., vol. xxxvi, No. 2. April–July, 1839.)

Page.		Page.	
381	<i>Patelloidea</i> (Lottia).	381	<i>Patelloidea cœrulea</i> .
381	<i>amœna</i> Say.		Europe.
381	<i>alveus</i> Conrad.	381	<i>pellucida</i> .
			Europe.

W. Whittemore.—(From the same.)

Page.	Name.	Locality.
381	<i>Planorbis armigerus</i> .	Cambridge.
381	<i>Cyclas similis</i> .	Cambridge.
381	<i>Physa heterostropha</i> .	Cambridge.

Agassiz and Gould.—Principles of Zoölogy, &c. Part I. Comparative Physiology: by LOUIS AGASSIZ and AUGUSTUS A. GOULD. Boston, 1848.

[The work being general in its character, no descriptions of shells occur. Among the diagrams, however, occur the following]:—

Fig.		Fig.	
11	<i>Natica heros</i> (nerv. system.)	52	<i>Tebennophorus Carolinien-</i>
47	<i>Loligo illecebrosa</i> .	58	<i>Natica heros</i> (teeth). [sic.

Anonymous.—On the Economical Uses of some species of Testacea. (From Silliman's Journal, o. s., vol. xxxii, No. 1, p. 53 No. 2, p. 235. 1837.)

[No descriptions are given, but numerous interesting remarks on the following]:—

Page.		Page.	
56	<i>Mytilus margaritiferus</i> Linn.	70	<i>Pinna rotundata</i> Linn.?
68	<i>Mya margaritifera</i> Linn.	73	<i>Mytilus</i> ———.
235	<i>Murex</i> ———?	250	<i>Voluta gravis</i> Linn.
239	<i>tritonis</i> Linn.	250	<i>Cypræa moneta</i> Linn.
241	———?	251	<i>Chiton fasciatus</i> Linn.
241	<i>Ostrea edulis</i> Linn.	251	<i>Murex despectus</i> Linn.
247	<i>scabra</i> Linn.	251	<i>Solen siliqua</i> Linn.
248	<i>Mya pictorum</i> Linn.	252	<i>Mytilus edulis</i> Linn.
248	<i>Turbo littoreus</i> Linn.	254	<i>Cardium edule</i> .
248	<i>Buccinum lapillus</i> Linn.	254	<i>Helix pomatia</i> .
248	<i>Pecten maximum</i> Penn.	256	<i>Unio</i> ———.
249	<i>opercularis</i> Penn.	256	<i>Chama gigas</i> Linn., &c.
249	<i>concentricum</i> .		

S. P. Hildreth.—Disease among Shell-fish (Naiades). (From same as last, p. 97.)

Mitchill.—Facts and Observations intended to illustrate the Natural and Economical History of the Eatable Clam of New York and its vicinity: by SAMUEL L. MITCHILL, M. D., &c. (From Silliman's Journal, o. s., vol. x, No. 2, p. 287. 1826.)

Venus mercenaria.

Mya arenaria.

Macra solidissima.

Arca barbata.

Gould.—Lamarck's Genera of Shells, with a Catalogue of Species: translated from the French by AUG. A. GOULD, M. D. Boston, 1833.

[No descriptions of species are given. Dr. GOULD adds a list of American species not included by Lamarck. These only are given below.—W. G. B.]

Page.

11	<i>Pholas oblongata.</i>
11	<i>truncata.</i>
11	<i>cuneiformis.</i>
11	<i>pusillus.</i>
12	<i>Solen costatus.</i>
12	<i>centralis.</i>
12	<i>viridis.</i>
13	<i>Mya acuta.</i>
13	<i>mercenaria.</i>
13	<i>hyalina.</i>
13	<i>Anatina papyratia.</i>
13	<i>leana.</i>
14	<i>Lutraria canaliculata.</i>
15	<i>Macra similis.</i>
15	<i>lateralis.</i>
15	<i>oblonga.</i>
15	<i>solidissima.</i>
15	<i>arctata.</i>
15	<i>tellinoides.</i>
15	<i>nucleus.</i>
15	<i>Erycina striata.</i>
16	<i>Solenomya velum.</i>
17	<i>Corbula contracta.</i>
17	<i>Pandora trilineata.</i>
21	<i>Tellina alternata.</i>
21	<i>punicea.</i>
21	<i>polita.</i>

Page.

21	<i>Tellina iris.</i>
21	<i>tenera.</i>
21	<i>intastriata.</i>
21	<i>lateralis.</i>
21	<i>decora.</i>
21	<i>flexuosa.</i>
21	<i>Tellinides rosea.</i>
25	<i>Cyclas rhomboidea.</i>
25	<i>partumeia.</i>
27	<i>Cytherea occulta.</i>
28	<i>Venus castanea.</i>
28	<i>inequalis.</i>
28	<i>elevata.</i>
28	<i>præparca.</i>
28	<i>grata.</i>
28	<i>notata.</i>
29	<i>Venericardia tridentata.</i>
30	<i>Cardium Mortoni.</i>
30	<i>pinnulatum.</i>
33	<i>Arca staminea.</i>
33	<i>liliosa.</i>
33	<i>ponderosa.</i>
33	<i>pexata.</i>
33	<i>incongrua.</i>
33	<i>transversa.</i>
34	<i>Nucula limatula.</i>
34	<i>proxima.</i>

Page.

34	<i>Nucula nucleus.</i>
34	<i>recurva.</i>
37	<i>Unio ridibundus.</i>
37	<i>monodonta.</i>
37	<i>undulatus.</i>
37	<i>abruptus.</i>
37	<i>phaseolus.</i>
37	<i>tetralasmus.</i>
37	<i>dehiscens.</i>
37	<i>interruptus.</i>
37	<i>globulus.</i>
37	<i>decolivis.</i>
37	<i>lapillus.</i>
37	<i>camptodon.</i>
37	<i>lugubris.</i>
37	<i>radiatus.</i>
37	<i>ovatus.</i>
37	<i>cariosus.</i>
37	<i>nasutus.</i>
37	<i>cylindricus.</i>
37	<i>subtentus.</i>
37	<i>plicatus.</i>
37	<i>rectus.</i>
37	<i>torsus.</i>
37	<i>mytiloides.</i>
37	<i>metanever.</i>
37	<i>scalenius.</i>
37	<i>cornutus.</i>
37	<i>verrucosus.</i>
37	<i>tuberculatus.</i>
37	<i>gibbosus.</i>
37	<i>cuneatus.</i>
37	<i>ventricosus.</i>
37	<i>siliquoides.</i>
37	<i>triangularis.</i>
37	<i>parvus.</i>
37	<i>Æsopus.</i>
37	<i>calceolus.</i>
37	<i>lanceolatus.</i>
37	<i>donaciformis.</i>
37	<i>ellipsis.</i>
37	<i>irroratus.</i>
37	<i>lachrymosus.</i>
37	<i>ater.</i>
37	<i>rubiginosus.</i>

Page.

37	<i>Unio heterodon.</i>
37	<i>sulcatus.</i>
37	<i>planulatus.</i>
37	<i>circulus.</i>
37	<i>multiradiatus.</i>
37	<i>occidens.</i>
37	<i>securis.</i>
37	<i>iris.</i>
37	<i>xig-xag.</i>
37	<i>patulus.</i>
38	<i>Symphynota lævissima.</i>
38	<i>biolata.</i>
38	<i>alata.</i>
38	<i>complanata.</i>
38	<i>compressa.</i>
38	<i>gracilis.</i>
38	<i>tenuissima.</i>
38	<i>ochracea.</i>
38	<i>cygnea.</i>
38	<i>Alasmodonta undulata.</i>
38	<i>marginata.</i>
38	<i>ambigua.</i>
38	<i>confragosa.</i>
43	<i>Modiola Americana.</i>
43	<i>castanea.</i>
43	<i>Mytilus hamatus.</i>
43	<i>lateralis.</i>
43	<i>orbitus.</i>
43	<i>leucophæatus.</i>
49	<i>Pecten concentricus.</i>
49	<i>Pealii.</i>
49	<i>ornatus.</i>
49	<i>dislocatus.</i>
51	<i>Ostrea semicylindrica.</i>
52	<i>Placuna pertusa.</i>
52	<i>quadrifasciata.</i>
58	<i>Patella amœna.</i>
58	<i>alternata.</i>
60	<i>Crepidula depressa</i>
60	<i>glauca.</i>
60	<i>plana.</i>
60	<i>intorta.</i>
60	<i>convexa.</i>
60	<i>Calyptræa striata.</i>
60	<i>Ancylus rivularis.</i>

Page.

61	<i>Bullæana solitaria.</i>
63	<i>Helix albolabris.</i>
63	<i>hirsuta.</i>
63	<i>perspectiva.</i>
63	<i>lineata.</i>
63	<i>thyroidus.</i>
63	<i>minuta.</i>
63	<i>labyrinthica.</i>
63	<i>multilineata.</i>
63	<i>appressa.</i>
63	<i>palliata.</i>
63	<i>inflecta.</i>
63	<i>clausa.</i>
63	<i>obstricta.</i>
63	<i>elevata.</i>
63	<i>interna.</i>
63	<i>ohersina.</i>
63	<i>gularis.</i>
63	<i>ligera.</i>
63	<i>solitaria.</i>
63	<i>jejuna.</i>
63	<i>concava.</i>
63	<i>dealbata.</i>
63	<i>profunda.</i>
63	<i>alternata.</i>
63	<i>irrorata.</i>
63	<i>inornata.</i>
63	<i>indentata.</i>
63	<i>fallax.</i>
63	<i>egena.</i>
63	<i>tridentata.</i>
63	<i>monodon.</i>
64	<i>Polygyra auriculata.</i>
64	<i>avara.</i>
64	<i>septemvolva.</i>
64	<i>plicata.</i>
64	<i>Helicina major.</i>
64	<i>orbiculata.</i>
64	<i>occulta.</i>
65	<i>Pupa armifera.</i>
65	<i>corticaria.</i>
65	<i>rupicola.</i>
65	<i>contracta.</i>
65	<i>exigua.</i>
65	<i>fallax.</i>

Page.

65	<i>Pupa ovata.</i>
65	<i>pentodon.</i>
66	<i>Bulimus multilatus.</i>
66	<i>multilineatus.</i>
66	<i>Achatina solida.</i>
66	<i>Succinea ovalis.</i>
66	<i>campestris.</i>
67	<i>Cyclostoma lapidaria.</i>
67	<i>marginata.</i>
67	<i>dentata.</i>
68	<i>Planorbis armigerus.</i>
68	<i>trivolvus.</i>
68	<i>bicarinatus.</i>
68	<i>parvus.</i>
68	<i>parallelus.</i>
68	<i>exacuns.</i>
68	<i>campanulatus.</i>
68	<i>glabratus.</i>
68	<i>Physa gyrina.</i>
68	<i>elongata.</i>
68	<i>heterostropha.</i>
68	<i>ancillaria.</i>
69	<i>Lymnaea columella.</i>
69	<i>elongata.</i>
69	<i>catascopium.</i>
69	<i>reflexa.</i>
69	<i>appressa.</i>
69	<i>elodes.</i>
69	<i>desidiosa.</i>
69	<i>macrostoma.</i>
69	<i>emarginata.</i>
69	<i>humilis.</i>
69	<i>modicella.</i>
69	<i>obruasa.</i>
69	<i>pinguis.</i>
69	<i>galbana.</i>
69	<i>Melania nupera.</i>
69	<i>depygia.</i>
69	<i>Virginica.</i>
69	<i>semicarinata.</i>
69	<i>laqueata.</i>
69	<i>canaliculata.</i>
69	<i>elevata.</i>
69	<i>conica.</i>
69	<i>catenaria.</i>

Page.		Page.	
69	<i>Melania multilineata.</i>	78	<i>Turbo canaliculatus.</i>
69	<i>simplex.</i>	78	<i>palliatu8.</i>
69	<i>proxima.</i>	78	<i>vestita.</i>
70	<i>Pirena scalariformis.</i>	78	<i>obligatus.</i>
70	<i>Valvata tricarinata.</i>	79	<i>Turritella concava</i>
70	<i>Paludina decisa.</i>	79	<i>sequalis.</i>
70	<i>vivipara.</i>	79	<i>alternata.</i>
70	<i>subpurpurea.</i>	79	<i>reticulata.</i>
70	<i>intertexta.</i>	79	<i>impressa.</i>
70	<i>ponderosa.</i>	79	<i>bisuturalis.</i>
70	<i>integra.</i>	80	<i>Cerithium muscarum.</i>
70	<i>porata.</i>	80	<i>septemstriatum.</i>
70	<i>limosa.</i>	80	<i>ferrugineum.</i>
70	<i>decipiens.</i>	80	<i>dislocatum.</i>
70	<i>lustrica.</i>	81	<i>Fusus corneus.</i>
70	<i>grana.</i>	81	<i>cinereus.</i>
70	<i>subglobosa.</i>	81	<i>bicolor.</i>
73	<i>Natica triseriata.</i>	81	<i>decemcostatus.</i>
73	<i>duplicata.</i>	81	<i>fluvialilis.</i>
73	<i>rugosa.</i>	83	<i>Ranella caudata.</i>
73	<i>heros.</i>	90	<i>Buccinum ornatum.</i>
73	<i>pusilla.</i>	90	<i>armigerum.</i>
73	<i>Sigaretus perspectivus.</i>	90	<i>bezoar.</i>
73	<i>maculatus.</i>	90	<i>(Nassa) vibex.</i>
75	<i>Pyramidella dolabrata.</i>	90	<i>trivittata.</i>
75	<i>plicata.</i>	90	<i>obsoleta.</i>
75	<i>corrugata.</i>	90	<i>acuta.</i>
75	<i>maculosa.</i>	90	<i>unicincta.</i>
75	<i>Scalaria multistriata.</i>	90	<i>alba.</i>
75	<i>lineata.</i>	90	<i>lunata.</i>
75	<i>clathrulus.</i>	92	<i>Columbella labiosa.</i>
76	<i>Delphinula laxa.</i>	92	<i>avara.</i>
78	<i>Turbo irroratus.</i>	97	<i>Olivæ mutica.</i>

Storer.—A translation of Kiener's "Species General," &c. into English: by D. HUMPHREYS STORER, M. D. No. 1. Boston, 1837.

[*Buccinum*, *Dolium*, *Tornatella*, *Pyramidella*, *Thracia*, and *Harpa* were published. A list of additional American species of *Buccinum* and *Nassa* is given, without descriptions, on page 100.—W. G. B.]

Buccinum ornatum Say.

Nassa vibex Say.

trivittata Say.

acuta Say.

Nassa uncinata Say.

alba Say.

lunata Say.

Ruschenberger.—Natural History; Conchology, vol. i, book 4: by Dr. W. S. W. RUSCHENBERGER. Philad'a, 1850.

[No descriptions are given.—W. G. B.]

Warren.—The Conchologist: by JOHN WARREN. With 16 plates. Boston, 1834.

[No descriptions or localities are given.—W. G. B.]

Poe.—The Conchologist's First Book, &c.; arranged expressly for the use of Schools: by EDGAR A. POE. Second edition, with 12 plates. Philadelphia, 1840.

[No descriptions or localities of species are given. The generic descriptions appear to be copied from WYATT's "Conchology."—W. G. B.]

Wyatt.—A Manual of Conchology, according to the System laid down by Lamarck, &c.: by THOMAS WYATT, M. A. With 36 plates. New York, 1838.

[Descriptions of but few species are given, and these without locality.—W. G. B.]

Rafinesque.—Discoveries in Natural History in the Western States: by C. S. RAFINESQUE. (From Amer. Monthly Magazine and Critical Review, vol. iii, p. 354 New York. September, 1818.)

Page.		Page.	
355	<i>Potamilus latissimus Raf.</i>	355	<i>Potamilus gibbosus Raf.</i>
355	<i>violacinus Raf.</i>	355	<i>verrucosus Raf.</i>
355	<i>niger Raf.</i>	355	<i>tubercularis Raf.</i>
355	<i>fasciolaris Raf.</i>	355	<i>nodosus Raf.</i>
355	<i>phaedrus Raf.</i>	355	<i>pusillus Raf.</i>
355	<i>ellipticus Raf.</i>	355	<i>subrotundus Raf.</i>
355	<i>zonalis Raf.</i>	355	<i>obovalis Raf.</i>
355	<i>obliquatus Raf.</i>	355	<i>Pleurocera retusa Raf.</i>
355	<i>retusus Raf.</i>	355	<i>saxatilis Raf.</i>
355	<i>truncatus Raf.</i>	355	<i>fasciata Raf.</i>
355	<i>triqueter Raf.</i>	355	<i>coneola Raf.</i>
355	<i>alatus Raf.</i>	355	<i>angulata Raf.</i>
355	<i>nervosus Raf.</i>	355	<i>turricula Raf.</i>
355	<i>fasciatus Raf.</i>	355	<i>Ambloxia eburnea Raf.</i>
355	<i>auratus Raf.</i>	355	<i>ventricosa Raf.</i>

Rafinesque.—Further Account of Discoveries in Natural History in the Western States: by C. S. RAFINESQUE. (From the same, vol. iv, p. 88. November, 1818.)

Page.	Name.	Locality.
42	<i>Ellipstoma Raf.</i> (n. g.)	
42	<i>gibbosa Raf.</i>	Ohio and Wabash river.
42	<i>zonalis Raf.</i>	Kentucky river.
42	<i>rugosa Raf.</i>	Ohio river.

Rafinesque.—General Account of the Discoveries made in the Zoology of the Western States: by C. S. RAFINESQUE. (From the same, vol. iv, p. 106. December, 1818.)

[No descriptions are given. The following new genera are mentioned by name—W. G. B.]—

Page.		Page.	
107	<i>Mesomphix Raf.</i>	107	<i>Ellipstoma Raf.</i>
107	<i>Trophodon Raf.</i>	107	<i>Euryostoma Raf.</i>
107	<i>Triodopsis Raf.</i>	107	<i>Notrema Raf.</i>
107	<i>Stenostoma Raf.</i>	107	<i>Ambloxis Raf.</i>
107	<i>Toxostoma Raf.</i>	107	<i>Patamilla Raf.</i>
107	<i>Zolotrema Raf.</i>	107	<i>Truncilla Raf.</i>
107	<i>Aplodon Raf.</i>	107	<i>Stenodon Raf.</i>
107	<i>Lymnula Raf.</i>	107	<i>Pleuroxis Raf.</i>
107	<i>Pleurotoma Raf.</i>		

Rafinesque.—Description of a new genus of Fluvial Bivalve Shell of the family Brachiopoda, *Notrema fissurella*, &c.: by C. S. RAFINESQUE. (From the same, p. 356. March, 1819.)

Page.	Name.	Locality.
356	<i>Notrema fissurella Raf.</i>	Ohio river.

Adams.—Catalogue of the Genera and Species of Recent Shells in the Collection of C. B. ADAMS, A. M. Middlebury, 1847.

[No descriptions are given. As the "North American" species are not limited to the region to which my extracts are confined, I do not insert them here.—W. G. B.]

Page.		Page.	
19	<i>Cerithium terebrale</i> Ad. prec. =	21	<i>Natica canaliculata</i> Gld. prec.
	<i>C. terrebellum.</i>		= N. Gouldi Adams.

Page.		Page.	
23	<i>Cyclostoma obscurum</i> Gr. preoc. = <i>C. Grayanum</i> Adams.	32	<i>Helix cellaria</i> . <i>H. glaphyra</i> .
29	<i>Thetis</i> preoc. = <i>Gouldia</i> .	32	<i>Physa hypnorum</i> .
32	<i>Helix arbustorum</i> .	32	<i>Paludina vivipara</i> .
32	<i>aspera</i> .	32	<i>Limnæa minuta</i> .
32	<i>hortensis</i> .	32	<i>desidiosa</i> .
32	<i>virgata</i> .	32	<i>Helix lucida</i> .
	Notes on—	32	<i>arborea</i> .
32	<i>Helix pulchella</i> .		

Kirtland.—Remarks on the Sexes and Habits of some of the Acephalous Bivalve Mollusca: by JARED P. KIRTLAND, M. D. (From Proc. Am. Assoc. Adv. Sci., vol. v, p. 85-91. Washington, 1851.)

[Notes on sexual differences, byssus, locality, rarity, &c., of numerous species.—W. G. B.]

Akerly.—Economical History of the Fishes sold in the Markets of the city of New York: by Dr. S. AKERLY. (From Amer. Monthly Magazine and Critical Review, vol. ii. New York. Feb. 1818.)

Page.		Page.	
296	Notes on <i>Mya arenaria</i> .	296	Notes on <i>Ostrea edulis</i> .
296	<i>Venus mercenaria</i> .		(Also on page 475.)

Kennicott.—Catalogue of Animals observed in Cook County, Illinois: by ROBERT KENNICOTT. (From Trans. Illinois State Agricultural Soc., vol. i, p. 577. Mollusca, p. 595. Springfield, Ill., 1855.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
595	<i>Unio alatus</i> Say.	595	<i>Unio parvus</i> Barnes.
595	<i>costatus</i> Raf.	595	<i>Alasmodonta calceolata</i>
595	<i>iris</i> Lea.	595	<i>Cyclas similis</i> Say. [Lea.]
595	<i>bullatus</i> Raf.	595	<i>Helix monodon</i> Rack.
595	<i>fragilis</i> Raf.	595	<i>profunda</i> .
595	<i>luteolus</i> Lam.	595	<i>Planorbis campanulatus</i>
595	<i>dilatatus</i> Raf.	595	<i>trivolis</i> Say. [Say.]
595	<i>coccineus</i> Hildr.	595	<i>Limnea reflexa</i> Say.
595	<i>cardium</i> Raf.	595	<i>fragilis</i> Linn.

Page.		Page.	
595	<i>Limnea emarginata</i> Say.	595	<i>Melania carinata</i> .
595	<i>Physa heterostropha</i> Say.	595	<i>semicarinata</i> Say.
595	<i>Paludina decisa</i> Say.		

Conrad.—Shells from Coast of Lower California and Peru: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. Phila., N. S., vol. i, pt. 4, p. 278 Jan. 1850. Vide also, *ante*.)

Page.	Plate.	Fig.	Name.
278			<i>Solecardia</i> Conrad (n. g.)
279	xxxix	1	<i>eburnea</i> Conrad.
279	xxxix	2	<i>Petricola sinuosa</i> Conrad.
279			<i>Pholadopsis</i> Conrad (n. g.)
279	xxxix	3	<i>pectinata</i> Conrad.
279	xxxix	4	<i>Parapholas bisulcata</i> Conrad.
279	xxxix	5	<i>Penitella Wilsoni</i> Conrad.
280	xxxix	6	<i>Triton perforatus</i> Conrad.
280	xxxix	7	<i>Oliva propatula</i> Conrad.

Leidy.—On the Situation of the Olfactory Sense in the Terrestrial Tribe of Gasteropodous Mollusca: by Dr. J. LEIDY. (In Journ. Acad. Nat. Sci. Phila., N. S., vol. i, pt. 1, p. 49. Dec. 1847.)

Rafinesque.—Podrome de 70 nouveaux genres d'Animaux découverts dans l'intérieur des Etats Unis d'Amérique, durant l'année 1818: par C. S. RAFINESQUE, Prof., etc. (Journal de Physique, de Chemie, d'Histoire Naturelle, et des Arts, etc.: par M. H-M, Ducrotay de Blainville. Tome 88, p. 417. Paris, Juin, 1819.)

Page.		Page.	
423	<i>Pleurocera</i> Raf.	424	<i>Omphemis lacustris</i> Raf.
423	<i>Oxytrema</i> Raf.	424	<i>plaloxis</i> Raf.
423	<i>Campeloma</i> Raf.	424	<i>Lomastoma</i> Raf.
423	<i>crassula</i> Raf. Ohio river.	424	<i>terebrina</i> Raf.
423	<i>Omphaliscula</i> Raf.	424	<i>Eutrema</i> Raf.
423	<i>Espiphylla</i> Raf.	424	<i>terebroides</i> Raf.
424	<i>Leptoxis</i> Raf.	424	<i>Ellipstoma</i> Raf.
424	<i>Cyclemis</i> Raf.	424	<i>gibbosa</i> Raf.
424	<i>minutissima</i> Raf.	424	<i>vittata</i> Raf.
424	<i>olivacea</i> Raf.	424	<i>zonalis</i> Raf.
424	<i>Omphemis</i> Raf.	424	<i>marginata</i> Raf.

Page.		Page.	
425	Odotropis Raf.	425	Toxotrema Raf.
425	Mesomphix Raf.	425	<i>globularis</i> Raf.
425	Triodopsis Raf.	425	<i>complanata</i> Raf.
425	Xolotrema Raf.	425	Stenotrema Raf.
425	<i>lunula</i> Raf.	425	<i>convexa</i> Raf.
425	<i>triodops</i> Raf.	425	Aplodon Raf.
425	Chimotrema Raf.	425	<i>nodosum</i> Raf.
425	<i>planuscula</i> Raf.		

[Descriptions of fossil univalves here follow.—W. G. B.]

Subgenera of Unio —		Subgenera of Unio —	
426	Proptera Raf.	426	Obovaria Raf.
426	<i>alata</i> Raf.	426	<i>obovalis</i> Raf.
426	<i>phaedra</i> Raf.	426	<i>subrotunda</i> Raf.
426	<i>pallida</i> Raf.	427	<i>syntoxis</i> Raf.
426	Eurynea Raf.	427	<i>retusa</i> Raf.
426	<i>latissima</i> Raf.	427	<i>crassa</i> Raf.
426	<i>dilatata</i> Raf.	427	<i>torsa</i> Raf.
426	<i>solenoides</i> Raf.	427	Truncilla Raf.
426	Elliptio Raf.	427	<i>triquetra</i> Raf.
426	Plagiola Raf.	427	<i>truncata</i> Raf.
426	<i>verrucosa</i> Raf.	427	Amblema Raf.
426	<i>fasciolaris</i> Raf.	427	<i>ovalis</i> Raf.
426	<i>leptodon</i> Raf.	427	Pleurorema Raf.
426	<i>depressa</i> Raf.	427	<i>mytiloides</i> Raf.
426	<i>flava</i> Raf.	427	<i>conica</i> Raf.
426	<i>obliquata</i> Raf.		

[Descriptions of fossil bivalves.—W. G. B.]

428 **Noletrema patelloides** Raf. Ohio.

[Other fossil shells.]

Girard.—Catalogue of Recent Shells and other Mollusca found in the District of Columbia, prepared from specimens in the Cabinet of Dr. E. Foreman: by CHARLES GIRARD. (Proceedings of National Institute, Washington, vol. i, No. 2. March, 1856.)

[Bryozoa are omitted.—W. G. B.]

Page.		Page.	
79	Cycas similis Say.	79	Pisidium dubium Say.
79	<i>rhomboides</i> Say.	79	<i>variabile</i> Prime.
79	<i>partumeia</i> Say.	79	Unio cariosus Say.
79	<i>solidula</i> Prime.	79	<i>ochraceus</i> Say.

Page.		Page.	
79	<i>Unio nasutus</i> Say.	81	<i>Pupa contracta</i> Say.
79	<i>Fisherianus</i> Lea.	81	<i>pentodon</i> Binn.
79	<i>complanatus</i> Sol.	81	<i>procera</i> Gould.
79	<i>radiatus</i> Lam.	81	<i>rupicola</i> Say.
79	<i>heterodon</i> Lea.	81	<i>Vertigo milium</i> Gould.
79	<i>Alasmodonta marginata</i> Say.	81	<i>ovata</i> Say.
79	<i>undulata</i> Say.	81	<i>Carychium exiguum</i> Gould.
79	<i>Anodonta cataracta</i> Say.	81	<i>Anoylus fuscus</i> Adams.
79	<i>implicata</i> Say.	81	<i>rivularis</i> Say.
79	<i>areolata</i> Swains.	81	<i>tardus</i> Say.
80	<i>Tebennophorus Carolinen-</i>	81	<i>Lymnea columella</i> Say.
	<i>sis</i> Binn.	81	<i>desidiosa</i> Say.
80	<i>Limax agrestis</i> Müll.	81	<i>caperata</i> Say.
80	<i>Helix albolabris</i> Say.	81	<i>macrostoma</i> Say.
80	<i>alternata</i> Say.	81	<i>modicellus</i> Say.
80	<i>arborea</i> Say.	81	<i>humilis</i> Say.
80	<i>ohersina</i> Say.	82	<i>Physa ancillaria</i> Say.
80	<i>concava</i> Say.	82	<i>elongata</i> Say.
80	<i>electrina</i> Gould.	82	<i>fragilis</i> Migh. & Ad.
80	<i>fraterna</i> Say.	82	<i>heterostropha</i> Say.
80	<i>fuliginosa</i> Grif.	82	<i>Planorbis bicarinatus</i> Say.
80	<i>gularis</i> Say.	82	<i>deflectus</i> Say.
80	<i>hirsuta</i> Say.	82	<i>exacutus</i> Gould.
80	<i>inflecta</i> Say.	82	<i>hirsutus</i> Gould.
80	<i>indentata</i> Say.	82	<i>parvus</i> Say.
80	<i>labyrinthica</i> Say.	82	<i>trivolvus</i> Say.
80	<i>ligera</i> Say.	82	<i>Melania multilineata</i> Say.
80	<i>lineata</i> Say.	82	<i>virginica</i> Say.
80	<i>pulchella</i> Gould.	82	<i>Anculosa carinata</i> Say.
80	<i>minuscula</i> Binn.	82	<i>monodonta</i> Say.
80	<i>suppressa</i> Say.	82	<i>Paludina decisa</i> Say.
80	<i>thyroidus</i> Say.	82	<i>subcarinata</i> Say.
80	<i>tridentata</i> Say.	82	<i>Amnicola lapidaria</i> Say.
81	<i>Succinea avara</i> Say.	82	<i>decisa</i> Hald.
81	<i>campestris</i> Say.	82	<i>porata</i> Say.
81	<i>ovalis</i> Gould.	82	— (n. s.)
81	<i>obliqua</i> Say.	82	— (n. s.)
81	<i>Bulimus fallax</i> Gould.	82	<i>Valvata pupoidea</i> Gould.
81	<i>lubricus</i> Gould.	82	<i>tricarinata</i> Say.
81	<i>Pupa armifera</i> Say.		

Currier.—List of Shells collected in the Grand River (Mich.)
Valley: by A. O. CURRIER.

[No date; said to have been published in 1859. No descriptions are given.—W. G. B.]

Unio alatus Say.

- asperrimus** Lea.
- crassus** Say.
- cornutus** Barnes.
- coccineus** Hildreth.
- elegans** Lea.
- ellipsis** Lea.
- gibbosus** Barnes.
- gracilis** Barnes.
- iris** Lea.
- lævissimus** Lea.
- luteolus** Lam.
- Novi-Eboraci** Lea.
- occidens** Lea.
- plicatus** Barnes.
- præsinus** Conrad.
- rectus** Lam.
- rubiginosa** Lea.
- spatulata** Lea.
- subovatus** Say.
- tenulinus** Lea.
- trigonus** Lea.
- triangularis** Barnes.
- verrucosus** Barnes.
- ventricosus** Barnes.

Alasmodon deltoides Lea.

- rugosa** Barnes.
- marginata** Say.

Anodon Benedicti Lea.

- Buchanensis** Lea.
- edentula** Say.
- Ferussaciana** Lea.
- Footiana** Lea.
- ovata** Lea.
- pallida** Anthony.
- Pepiniana** Lea.
- plana** Lea.
- Shæffariana** Lea.
- salmonia** Lea.

Cyclas similis Say.

Cyclas sulcata Lam.

- striatula** Lam.
- occidentalis** Prime.
- partumela** Say.
- distorta** Prime.

Plsidium compressum Prime.

- additum** Hald.
- ventricosum** Prime.
- dubium** Say.

Paludina decisa Say.

——?

- integra** Say.
- isogona** Say.
- rufa** Hald.

Amnicola grana Say.

- pallida** Hald.
- lapidaria** Say.

Valvata tricarinata Say.

Malania neglecta Anthony.

- pulchella** Anthony.
- niagerensis** Lea.
- livescens** Menka.

Ancylus fusca Adams.

- parallelus** Hald.

Lymnea appressa Say.

- umbrosa** Say.
- columella** Say.
- desidiosa** Say.
- modicellus?** Gould.
- gracilis** Jay.
- elodes** Say.
- reflexa** Hald.
- umbilicata** Adams.
- pallida** Adams.

Physa Hildrethiana Lea.

- heterostropha** Say.
- elongata** Say.
- vinosa** Gould.

Planorbis armigera Say.

- bicarlinatus** Say.

Planorbis campanulatus Say.*executus Say.**parvus Say.**trivolvus Say.***Helix albolabris Say.***alternata Say.**arboria Say.**chersina Say.**concava Say.**clausa Say.**electrina Say.**fallax Say.**fraterna Say.**fuliginosa Binney.**hirsuta Say.**hydropbila Ingalls.**indentata Say.**ligeri Say.**labyrinthica Say.**limatula Ward.**lineata Say.**minuscula Binney***Helix monodon Rackett.***multilineata Say.**palliatu Say.**perspectiva Say.**profunda.**solitaria Say.**striatella Anthony.**thyroides Say.**tridentata Say.***Succinea obliqua Say.***avara Say.**ovalis Gould.**vermetus Say.***Bullimus fallax Gould.****Pupa contracta Say.***armifera Say.**pentodon Say.***Carychium exiguum Say.****Vertigo simplex Gould.***Gouldii Binney.***Achatina lubrica Müller.****Hildreth.**—Catalogue of Fresh-water Shells found near Marietta, Ohio: by S. P. HILDRETH.

[No date, paging, or descriptions.—W. G. B.]

Alasmodonta complanata Bar.**Unio plicatus Say.***ellipticus Barnes.**siliquoides Barnes.**anodontoides Lea.**rectus Lam.**ovatus Say.**alatus Say.***Alasmodonta rugosa Barnes.****Cyclas similis Say.****Unio heros Say.***tuberculatus Barnes.**verrucosus Barnes.**pustulatus Lea.**pustulosus Lea.**metanevrus Raf.**cornutus Barnes.**rugosus Barnes.**perplexus Lea.***Unio irroratus Lea.***cylindricus Say.**torsus Raf.**pyramidatus Lea.**undatus Barnes.**mytiloides Raf.**trigonus Lea.**scalenius Raf.**cuneatus Barnes.**niger Raf.**phaseolus Hildreth.**ellipsalis Lea.**foliatus Hildreth.**securis Lea.**abruptus Say.**gibbosus Barnes.**elegans Lea.**multiradiatus Lea.**planus Barnes.*

Unio monodontus Barnes.*occidens* Lea.*gracilis* Barnes.*lævissimus* Lea.**Alasmodonta marginata Say.****Anodonta Ohioensis Say.***areola* Say.*undulata* Say.*cataracta* Say. .**Unio compressus Lea.***ventricosus* Barnes.*plicatus* Say.*siliquoideus* Barnes.*perplexus* Lea.*phaseolus* Hildreth.*sulcatus* Lea.**Unio ridibundus Say.***politus* Say.*subrotundus* Raf.*parvus* Barnes.*zig-zag* Lea.*triangularis* Barnes.*dehiscens* Say.*pileus* Lea.*iris* Lea.*parvus* Barnes.*glans* Lea.*lapillus* Say.*calceolus* Lea.*plicatus*.*alatus*.

Conrad.—Observations on the Tertiary and more Recent Formations of the Southern States: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. Phila., o. s., vol. vii, pt. 1. 1834.)

The following pliocene species are said to be found recent on the coast:—

Page.		Page.	
124	<i>Arcs transversa</i> .	125	<i>Lucina divaricata</i> Lam.
124	<i>Cytherea Sayana</i> .	125	<i>Crepidula convexa</i> Say.
	<i>C. convexa</i> Say.	125	<i>glauca</i> Say.
124	<i>Pholas costata</i> Lam.	125	<i>plana</i> Say.
124	<i>Ostrea Virginiana</i> Gmel.	125	<i>Fusus cinereus</i> Say.
124	<i>Solen ensis</i> Linn.	125	<i>Nassa trivittata</i> Say.
124	<i>Saxicava rugosa</i> Lam.	125	<i>lunata</i> Say.
124	<i>Venus mercenaria</i> Lam.	125	<i>Natica duplicata</i> Say.
124	<i>Panopea reflexa</i> Say = P.	125	<i>heros</i> Say.
	<i>Faujasii</i> ?	125	<i>Fulgur carica</i> Say.
125	<i>Macra tellinoides</i> Conr.	125	<i>canaliculatus</i> Say.
125	<i>Pandora trilineata</i> Say.	125	<i>Scalaria clathrus</i> Lam.
125	<i>Cardita tridentata</i> Say.	125	<i>Vermetus lumbricallis</i> Lam.
125	<i>Lucina contracta</i> Say.	125	<i>Rangia cyrenoides</i> .
125	<i>orenulata</i> Conr.		<i>Clathradon cuneata</i> .

(Appendix to same.)

153	<i>Amphidesma inaequale</i> Say.	153	<i>Corbula contracta</i> Say.
153	<i>Arthemis concentrica</i> .	153	<i>Oliya litterata</i> Lam.
153	<i>Anomia ephippium</i> Linn.	153	<i>zonalis</i> Lam.
153	<i>Cytherea gigantea</i> Lam.	153	<i>Pecten magellanicus</i> .
153	<i>Lutraria canaliculata</i> Say.	153	<i>Cerithium dialloatum</i> .
153	<i>Macra lateralis</i> Say.		

Haldeman.—*Leptoxis*: par M. STEHMAN HALDEMAN. (From Illustrations Conchyliologiques, par M. Chenu, liv. 73.)

Pa. Pl.	Fig.	Name.	Locality.
2 i	1-18	<i>Leptoxis prærosa</i> Say. <i>Anculosa prærosa</i> Say. <i>Melanopsis neritiformis</i> Desh. <i>Anculotus prærosus</i> Conrad. <i>Melania cruentata</i> Menke. <i>Cincinnatiensis</i> Lea. <i>Anculotus angulatus</i> Conrad. <i>Leptoxis retusa</i> Raf.?	Ohio, Ind., Ky., Ten., Ala.
2 i	19-23	<i>crassa</i> Hald.	Clinch river, Tenn.
2 i	24-26	<i>incisa</i> Lea. <i>Anculosa incisa</i> Lea.	Alabama.
2 i, ii	27-34	<i>obovata</i> Say. <i>Melania obovata</i> Say. <i>Hildrethiana</i> Lea.	Ohio river.
3 ii	35-39	<i>plicata</i> Conrad. <i>Anculotus plicatus</i> Conrad. <i>Anculosa tuberculata</i> Lea.	Tenn. & Ala. rivers.
3 ii	40-58	<i>subglobosa</i> Say. <i>Melania globula</i> Lea. <i>virgata</i> Lea. <i>Anculosa gibbosa</i> Lea. <i>subglobosus</i> Conrad.	Holston river, Tenn.
3 ii, iii	59-70	<i>rubiginosa</i> Lea. <i>Anculosa rubiginosa</i> Lea. <i>Griffithiana</i> Lea.	Warrior and Coosa rivers, Ala.
3 iii	71-73	<i>taeniata</i> Conrad. <i>Anculosa taeniata</i> Conrad.	Claiborne.
3 iii	74-80	<i>piota</i> Conrad. <i>Anculosa flammata</i> Lea. <i>Foremani</i> Lea?	Alabama.
4 iii	81	<i>Troostiana</i> Lea. <i>Anculosa Troostiana</i> Lea.	Tennessee river.
4 iii	82	<i>pisum</i> Hald.	Tennessee river.
4 iii, iv	83-84	<i>fusca</i> Hald.	Oregon.
4	85-101	<i>dissimilis</i> Say. <i>Paludina dissimilis</i> Say. <i>Helix subcarinata</i> Wood. <i>Anculosa nigrescens</i> Conrad.	Pa., Va., &c.
4 iv	102-109	<i>variabilis</i> Lea. <i>Anculosa variabilis</i> Lea. <i>carinata</i> Lea. <i>Melania Nickliniana</i> Lea?	Roanoke, Va.

Pa. Pl.	Fig.	Name.	Locality.
4 iv	110	Leptoxis littorina Hald. <i>Anculosa littorina</i> Hald. <i>Melania pilula</i> Lea.	Holston river, Va.
4 iv	111-120	dilatata Conrad. <i>Melania dilatata</i> Conrad. <i>Rogersii</i> Conrad. <i>inflata</i> Lea. <i>Anculotus Kirtlandianus</i> Anth. <i>carinatus</i> Conrad.	Kanawha river, Va.
5 iv	124-133	monodontoides Conrad. <i>Anculosa monodontoides</i> Conrad. <i>dentatus</i> Couth.	Virginia.
5 v	134-144	trilineata Say. <i>Melania trilineata</i> Say. <i>Anculotus costatus</i> Anthony. <i>Melania viridis</i> Lea. <i>occidentalis</i> Lea.	Ohio river.
5 v	145-146	melanoides Conrad.	Alabama.
5 v	147-150	virens Lea. <i>Paludina virens</i> Lea. <i>nuclea</i> Lea?	Wahlamat.
5 v	151	turgida Hald.	Alabama.
5 v	152	altilis Lea.	Susquehanna river.
6 v	153	oreната Hald.	Santee canal, S. C.
6 v	154	integra Say. <i>Melania integra</i> Say. <i>Anculotus pumilus</i> Conrad.	Ohio river.
6 v	155	isogona Say. <i>Melania isogona</i> Say. <i>Paludina pallida</i> Lea. <i>Amnicola isogona</i> Lea. <i>Mudalia isogona</i> Hald.	Ohio, Ky., Ind.
6 v	156	? Nuttalliana Lea. <i>Paludina Nuttalliana</i> L. <i>seminalis</i> Hinds?	Wahlamat creek.

Haldeman.—Mollusca: by S. S. HALDEMAN. (In Rupp's History of Lancaster County, p. 479. Lancaster, Pa., 1844.)

Page.		Page.	
479	Melania virginica.	480	Amnicola limosa.
479	Anculosa dissimilis.	480	lustrica.
480	Paludina decisa.	480	granum.
480	—	480	Valvata tricarinata.

Page.		Page.	
480	<i>Physa heterostropha.</i>	482	<i>Helix fuliginosa.</i>
480	<i>Limnea palustris.</i>	482	<i>hirsuta.</i>
	<i>L. elodes.</i>	482	<i>pulchella.</i>
480	<i>desidiosa.</i>	482	<i>indentata.</i>
480	<i>asperata.</i>	482	<i>electrina.</i>
480	<i>humilis.</i>	482	<i>labyrinthica.</i>
481	<i>Planorbis bicarinatus.</i>	482	<i>Succinea obliqua.</i>
481	<i>parvus.</i>	482	<i>Unio cariosus.</i>
481	<i>Ancylus rivularis.</i>	482	<i>radiatus.</i>
481	<i>Helix albolabris.</i>	482	<i>complanatus.</i>
481	<i>thyroides.</i>	482	<i>viridis.</i>
481	<i>tridentata.</i>	482	<i>Alasmodon undulatus.</i>
481	<i>conoava.</i>	482	<i>marginatus.</i>
481	<i>alternata.</i>	482	<i>Anodon cataractus.</i>
481	<i>hirsuta.</i>	482	<i>undulatus.</i>
482	<i>palliat.</i>		

Taylor.—Notice of occurrence of Green-gilled Oysters: by W. J. TAYLOR. (From Amer. Journ. Sci., n. s., vol. xxv, p. 294. March, 1858.)

Gould.—Catalogue of Maine Shells: by Dr. A. A. GOULD. (In First Report on the Geology of the State of Maine, by Charles F. Jackson, M. D., p. 119. Augusta, 1837.)

Page.		Page.	
119	<i>Solen ensis L.</i>	119	<i>Alasmodonta margaritifera</i>
119	<i>Solecurtus costatus Say.</i>	119	<i>undulata Say. [Gmel.</i>
119	<i>Glycimeris siliqua Lam.</i>	119	<i>Anodonta marginata Say.</i>
119	<i>Mya mercenaria Linn.</i>	119	<i>Modiola papuana Lam.</i>
119	<i>truncata.</i>	119	<i>plicatula Lam.</i>
119	<i>hyalina Conr.</i>	119	<i>Mytilus edulis Linn.</i>
119	<i>Anatina Leana Conr.</i>	119	<i>pellucidus Penn.</i>
119	<i>Maotra gigantea Lam.</i>	119	<i>Pecten Magellanicus Lam.</i>
119	<i>Solemya velum Say.</i>	119	<i>Islandicus Lam.</i>
119	<i>Saxicava distorta Say.</i>	119	<i>Ostrea Canadensis Lam.</i>
119	<i>Sanguinolaria fusca Conr.</i>	119	<i>Anomia ephippium.</i>
119	<i>Crassina Danmoniensis</i>	119	<i>Terebratula ———.</i>
	<i>Astarte castanea Say. [Lam.</i>	119	<i>Chiton ———.</i>
119	<i>Cyprina Islandica Lam.</i>	119	<i>Patella amœna Say.</i>
119	<i>Cardium Icelandicum.</i>	119	<i>Crepidula fornicata Say.</i>
119	<i>Grœnlandicum.</i>	119	<i>plana Say.</i>
119	<i>Unio complanatus Sol.</i>	119	<i>Helix albolabris Say.</i>

Page.		Page.	
119	<i>Helix thyroïdus</i> Say.	119	<i>Turbo palliatus</i> Say.
119	<i>alternata</i> Say.	119	<i>vestitus</i> Say.
119	<i>Planorbis trivolvis</i> Say.	119	<i>Fusus corneus</i> Say.
119	<i>campanulatus</i> Say.	119	<i>decemcostatus</i> Say.
119	<i>Physa heterostropha</i> Say.	119	<i>Islandicus</i> Martini.
119	<i>Lymnæa columella</i> Say.	119	<i>Purpura lapillus</i> Lam.
119	<i>Paludina decisa</i> Say.	119	<i>Buccinum undatum</i> Linn.
119	<i>Natica heros</i> Say.	119	<i>Nassa obsoleta</i> Say.
119	<i>triseriata</i> Say.	119	<i>trivittata</i> Say.

Pourtales.—Notes on Specimens of the Bottom of the Ocean brought up in recent Explorations of the Gulf Stream, in connection with the Coast Survey: by L. F. POURTALES, Assistant. (From Proc. Amer. Assoc. Advanc. Sci., for 1853, page 181. Cambridge, 1856.)

Page.	Name.	Locality.
183	<i>Spiralis Gouldii</i> .	Lat. 30° 50'; long. 78° 49'.

[This is the only specific name of Mollusca given.—W. G. B.]

Thomas.—Indications of Weather as, shown in Animals and Plants: by W. H. B. THOMAS, of Philadelphia. (From same as last, p. 119.) Notes on—

Page.		Page.	
120	<i>Helix alternata</i> .	120	<i>Helix thyroïdus</i> .
120	<i>arborea</i> .	121	<i>solitaria</i> .
120	<i>indentata</i> .	121	<i>zeleta</i> .
120	<i>Ruderati</i> .	121	<i>albolabris</i> .
120	<i>minuta</i> .	121	<i>thyroïdus</i> .
120	<i>clausa</i> .	121	<i>appressa</i> .
120	<i>ligera</i> .	121	<i>tridentata</i> .
120	<i>Pennsylvanica</i> .	121	<i>fallax</i> .
120	<i>elevata</i> .	121	<i>psiliata</i> .
120	<i>solitaria</i> .	121	<i>hirsuta</i> .
120	<i>zeleta</i> .		

Dr. J. P. Kirtland.—(Silliman's Journal, o. s., vol. xxxi, No. 1, p. 200. January, 1837.) Notes on—

Page.		Page.	
200	<i>Helix fuliginosa</i> .	200	<i>Helix glaphyra</i> .

Conrad.—Descriptions of fifteen new species of Recent, and three of Fossil Shells, chiefly from the Coast of the United States: by TIMOTHY A. CONRAD, Member &c. (From Journ. Acad. Nat. Sci. of Philadelphia, vol. vi, p. 256. March, 1831.)

Page.	Pl.	Fig.	Name.	Locality.
257			<i>Maetra solidissima</i> Chemn. <i>M. solida</i> (var. β) Gmelin. <i>procera</i> Solander. <i>grandis</i> Solander. <i>stultorum</i> Solander. <i>gigantea</i> Lam. <i>similis</i> Say.	
257	xi	1	<i>arctata</i> Conrad.	Mass. to Florida.
258	xi	2-3	<i>tellinoides</i> Conrad.	Northern coast.
258	xi	4	<i>nucleus</i> Conrad.	New Jersey.
258			<i>Cardium laqueatum</i> Conr. (fossil).	Maryland.
259	xi	5-7	<i>Mortoni</i> Conrad.	Northern coast.
260	xi	8	<i>pinnulatum</i> Conrad.	Massachusetts.
260			<i>Pecten Pealei</i> Conrad.	Maine.
261	xi	12	<i>Mya hyalina</i> Conrad.	Northern coast.
261			<i>Cytherea convexa</i> Say.	Rhode Island.
263	xi	11	<i>Anatina Leana</i> Conrad.	Northern coast.
263	xi	13	<i>Mytilus leucophæatus</i> Conrad.	Southern coast.
264			<i>Arca maxillata</i> Conrad (fossil).	Maryland.
264	xi	14-15	<i>Venus alveata</i> Conrad. <i>V. paphia</i> Linn.	Maryland.
265			<i>Pecten Magellanicus</i>.	Maine.
266	xi	17-18	<i>Velutina rupicola</i> Conrad.	Massachusetts.
266	xi	19	<i>Lacuna pertusa</i> Conrad.	Massachusetts.
267	xi	20	<i>Patella alveus</i> Conrad.	Massachusetts.

Conrad, Case, &c.—In the new series of the American Journal of Science and Art, occur the following:—

Vol.	Page.	Name.	Locality.
May,	1646.	Conrad. —Catalogue of Recent Shells found also in the Miocene: by T. A. CONRAD. [No descriptions.]	
i	404	<i>Artemis acetabulum</i> Conrad.	Florida.
i	404	<i>elegans</i> Conrad.	Florida.
i	404	<i>Astarte lunulata</i> Conrad.	Charleston.
i	404	<i>Arca improcera</i> Conrad.	Southern coast.
i	404	<i>Anomia ephippium</i> Linn.	
i	404	<i>Amphidesma squale</i> Say.	Southern coast.

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Vol.	Page.	Name.	Locality.
i	404	<i>Cardita tridentata</i> Say.	Southern coast.
i	404	<i>granulata</i> Say.	Southern coast.
i	404	<i>Chama arcinella</i> Lam.	Southern coast.
i	404	<i>Cumlingia tellinoides</i> Conrad.	Southern coast & Mass.
i	404	<i>Cultellus Carribæus</i> .	S'n coast, Mass., N. J.
i	404	<i>Cytherea elevata</i> Conrad.	Gulf of Mexico.
i	404	<i>Sayana</i> Conrad.	Rh. Island, Mass., N. J.
i	404	<i>Lucina crenulata</i> Conrad.	Cape Henry, Va.
i	404	<i>divaricata</i> Lam.	Atlantic coast.
i	404	<i>trisulcata</i> Conrad.	Florida.
i	404	<i>radula</i> Lam.	Rhode Island & Mass.
i	404	<i>squamosa</i> Lam.	Southern coast.
i	404	<i>Mactra lateralis</i> Say.	Atlantic coast.
i	404	<i>Nucula acuta</i> Say.	
i	404	<i>proxima</i> Say.	Atlantic coast.
i	404	<i>limatula</i> Say.	Massachusetts.
i	404	<i>acuta</i> Conrad.	Gulf of Mexico.
i	404	<i>Pecten concentricus</i> Say.	Atlantic coast.
i	404	<i>Tellina lusoria</i> Say.	Southern coast.
i	404	<i>Venus lanceata</i> Say.	Southern coast.
i	404	<i>mercenaria</i> L.	Atlantic coast.
i	404	<i>metastriata</i> Say.	Florida.
i	405	<i>Cerithium clavulus</i> H. C. Lea.	Tampa Bay.
i	405	<i>dislocatum</i> Say.	Southern coast.
i	405	<i>Dentalium coarctatum</i> Lam.	Gulf of Mexico.
i	405	<i>Crepidula unguiformis</i> .	Atlantic coast.
i	405	<i>fornicata</i> Lam.?	Atlantic coast.
i	405	<i>convexa</i> Say?	Atlantic coast.
i	405	<i>Fulgur carica</i> ?	Southern coast.
i	405	<i>canaliculatus</i> .	Atlantic coast.
i	405	<i>Natica heros</i> Say.	Atlantic coast.
i	405	<i>duplicata</i> Say.	Atlantic coast.
i	405	<i>canrena</i> Lam.	Florida.
i	405	<i>Nassa trivittata</i> Say.	Atlantic coast.
i	405	<i>obsoleta</i> Say.	Atlantic coast.
i	405	<i>lunata</i> Say.	Atlantic coast.
i	405	<i>Oliva litterata</i> Lam.	Florida.
i	405	<i>zonalis</i> Lam.	Florida.
Conrad. —Notices of Fresh-water Shells, &c., of Rock- bridge County, Va.: by T. A. CONRAD.			
i	407	<i>Unio collinus</i> Conrad.	
i	407	<i>purpureus</i> Say.	
i	407	<i>constrictus</i> Conrad.	
i	407	<i>subplanus</i> Conrad.	
i	407	<i>lanceolatus</i> Lea.	
i	407	<i>Alasmodonta undulata</i> Say.	
i	407	<i>marginata</i> Say.	
i	407	<i>Anodon cataracta</i> Say.	
i	407	<i>marginata</i> Say?	
i	407	<i>Planorbis parvus</i> Say.	
i	407	<i>Ancylus rivularis</i> Say.	
i	407	<i>Paludina decisa</i> Say.	
i	407	<i>Anculosa dilatata</i> Conrad.	
i	407	<i>Melania virginica</i> Say.	

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Vol.	Page.	Name.	Locality.
Nov.	1846.	Conrad. —Observations on the Geology of a part of East Florida, with a Catalogue of Recent Shells of the Coast: by T. A. CONRAD.	
ii	36		
ii	38	<i>Unio Blandingianus</i> Lea = <i>Carolinensis</i> Bosc.	Savannah river.
ii	38	<i>subinflatus</i> Conrad.	Savannah river.
ii	38	<i>Shepardianus</i> Lea.	Savannah river.
ii	39	<i>Ostrea Virginiana</i> .	Near mouth St. John's r.
ii	39	<i>Mytilus edulis</i> .	Near mouth St. John's r.
ii	39	<i>cubitus</i> Say.	Near mouth St. John's r.
ii	39	<i>Tellina lateralis</i> Say.	Near mouth St. John's r.
ii	39	<i>Amphidesma equalis</i> Say.	Near mouth St. John's r.
ii	39	<i>Macra lateralis</i> Say.	Near mouth St. John's r.
ii	39	<i>Solecuretus caribæus</i> .	Near mouth St. John's r.
ii	39	<i>Arca pexata</i> Say.	Near mouth St. John's r.
ii	39	<i>incongrua</i> Say.	Near mouth St. John's r.
ii	39	<i>ponderosa</i> Say.	Near mouth St. John's r.
ii	39	<i>Donax variabilis</i> Say.	Near mouth St. John's r.
ii	39	<i>Cardium magnum</i> .	Near mouth St. John's r.
ii	39	<i>Lucina divaricata</i> .	Near mouth St. John's r.
ii	39	<i>Petricola dactylus</i> .	Near mouth St. John's r.
ii	39	<i>Ranella caudata</i> Say.	Near mouth St. John's r.
ii	39	<i>Cryptostoma perspectiva</i> Say.	Near mouth St. John's r.
ii	39	<i>Crepidula plana</i> Say.	Near mouth St. John's r.
ii	39	<i>Littorina irrorata</i> Say.	Near mouth St. John's r.
ii	39	<i>Oliva litterata</i> .	Near mouth St. John's r.
ii	39	<i>Fulgur carica</i> .	Near mouth St. John's r.
ii	39	<i>canaliculata</i> .	Near mouth St. John's r.
ii	39	<i>Natica duplicata</i> ?	Near mouth St. John's r.
		All the above, except <i>Fulgur carica</i> and <i>Solecuretus caribæus</i> , I subsequently found at Tampa bay.	
ii	39	<i>Tellina radiata</i> .	Fort Lauderdale.
ii	39	<i>Polygyra plicata</i> Say.	Key Biscayne.
ii	39	<i>Nerita peleronta</i> .	Indian Key.
ii	39	<i>tessellata</i> .	Indian Key.
ii	39	<i>versicolor</i> .	Indian Key.
ii	39	<i>pica</i> .	Indian Key.
ii	39	<i>Littorina muricata</i> .	Indian Key.
ii	40	<i>Succinea avara</i> Say.	Island near Indian Key.
ii	40	<i>Polygyra plicata</i> .	Island near Indian Key.
ii	40	<i>septemvolva</i> .	Island near Indian Key.
ii	40	<i>Achatina fasciata</i> .	Island near Indian Key.
ii	40	<i>Spirula Peronii</i> .	Island near Indian Key.
ii	40	<i>Ianthina fragilis</i> .	Island near Indian Key.
ii	40	<i>Carditomeria Floridana</i> .	Island near Indian Key.
ii	40	<i>Fasciolaria tulipa</i> .	Key West.
ii	40	<i>Nerita peleronta</i> .	Key West.
ii	40	<i>Fusus corona</i> .	Key West.
ii	41	<i>Strombus gigas</i> .	Key West.
ii	41	<i>Ninus cancellata</i> Lam.	Mullet Key.
ii	41	<i>Chama arcinella</i> .	Mullet Key.
ii	41	<i>Strombus pugillus</i> .	Mullet Key.
ii	41	<i>Natica canrena</i> .	Egmont Key.
ii	41	<i>Peeten dialocatus</i> .	Egmont Key.

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Vol.	Page	Name.	Locality.
ii	42	<i>Modiola demissa</i> .	Tampa bay.
ii	42	<i>Cardium Mortoni</i> .	Tampa bay.
ii	42	<i>Osteodesma hyalina</i> .	Tampa bay.
ii	42	<i>Pecten concentricus</i> .	Tampa bay.
ii	42	<i>Anomia ephippium</i> .	Tampa bay.
ii	42	<i>Marginella conoidalis</i> .	Tampa bay.
ii	42	<i>Nassa vibex</i> Say.	Tampa bay.
ii	42	<i>Murex corona</i> Linn.	Tampa bay.
ii	42	<i>Fasciolaria trapezium</i> .	Tampa bay.
ii	42	<i>Fulgur perversus</i> .	Tampa bay.
ii	42	pyrum.	Tampa bay.
ii	42	<i>Venus Mortoni</i> .	Tampa bay.
ii	42	<i>Littorina angulifera</i> .	Tampa bay.
ii	45	<i>Neretina reclinata</i> .	Tampa bay.

Nov. 1846. **Conrad.**—Catalogue of Florida Shells, Tampa Bay, &c.:
by T. A. CONRAD.

Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	393	<i>Amphidesma variegata</i>	ii	394	<i>Lucina squamosa</i> Lam.
ii	393	<i>radiata</i> Say. [Lam.	ii	394	<i>tigrina</i> Lam.
ii	393	<i>orbiculata</i> Say.	ii	394	<i>Floridana</i> Conr.
ii	393	<i>æqualis</i> Say.	ii	394	<i>edentula</i> Lam.
ii	393	<i>zebra</i> .	ii	394	<i>trisulcata</i> Conr.
ii	393	<i>Artemis elegans</i> Conr.	ii	394	<i>Maetra ovalis</i> ?
ii	393	<i>concentrica</i> Lam.	ii	394	<i>lateralis</i> Say.
ii	393	<i>Anomia ephippium</i> Lin.	ii	394	<i>fragilis</i> Lam.
ii	393	<i>Arca scapha</i> ?	ii	394	<i>Modiola demissa</i> Dillw.
ii	393	<i>incongrua</i> Say.	ii	394	<i>lateralis</i> Say.
ii	393	<i>ponderosa</i> Say.	ii	394	<i>papyria</i> Conr.
ii	393	<i>Avicula</i> —.	ii	394	<i>Americana</i> .
ii	393	<i>Astarte lunulata</i> Conr.			<i>M. tulipa</i> Lam.
ii	393	<i>flabella</i> .	ii	394	<i>Mytilus hamatus</i> Say.
ii	393	<i>Cardium citrinum</i> Wood.	ii	394	<i>cubitus</i> Say.
ii	393	<i>isocardia</i> Lam.	ii	394	<i>Meleagrina</i> —.
ii	393	<i>magnum</i> Born.	ii	394	<i>Nucula acuta</i> Conr.
ii	393	<i>bullatum</i> Lam.	ii	394	<i>eborea</i> Conr.
ii	393	<i>Morton</i> Conr. [Con.	ii	395	<i>Ostrea Virginiana</i> Gmel.
ii	393	<i>Carditamera Floridana</i>	ii	395	<i>Osteodesma hyalina</i> C.
		<i>Cypricardia nodulosa</i>	ii	395	<i>Periploma inequivalvis</i>
		Mighels.			Lam.
ii	394	<i>Cardita tridentata</i> Say.	ii	395	<i>Pecten concentricus</i> S.
ii	394	<i>Chama arcinella</i> Lam.	ii	395	<i>dislocatus</i> Say.
ii	394	<i>Cytherea gigantea</i> Lam.	ii	395	<i>Pinna</i> —.
ii	394	<i>maculata</i> Lam.	ii	395	<i>Floridana</i> Conr.
ii	394	<i>Corbula limatula</i> Conr.	ii	395	<i>Plicatula ramosa</i> Lam.
ii	394	<i>Cyrena Carolinensis</i>	ii	395	<i>Solen ensis</i> Linn.
		Bosc.	ii	395	<i>Solecurtus fragilis</i> Van.
ii	394	<i>Floridana</i> Conr.	ii	395	<i>Tellina punicea</i> Linn.
ii	394	<i>Donax variabilis</i> Say.	ii	395	<i>acuta</i> Wood.
ii	394	—.	ii	395	<i>lateralis</i> Say.
ii	394	—.	ii	395	—.
ii	394	<i>Lucina nassula</i> Conr.	ii	395	—.
ii	394	<i>cribaria</i> Say.	ii	395	<i>Venus cancellata</i> Lam.
ii	394	<i>Pennsylvanica</i> Lam.	ii	395	<i>punctulata</i> Val.

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	395	Venus Mortoni <i>Conr.</i>	ii	397	Murex Tampaensis <i>Conr.</i>
ii	395	cuneimeris <i>Conr.</i>	ii	397	Marginella conoidalis
ii	396	Actæon Floridanus <i>C.</i>			<i>Kiener.</i>
ii	396	Bulla succinea <i>Conr.</i>	ii	397	succinea <i>Conr.</i>
ii	396	—	ii	397	albilabris <i>Conr.</i>
ii	396	Bullina canaliculata <i>S.</i>	ii	397	Monodonta —
ii	396	Cancellaria cancellata	ii	397	Melampus bidentatus
		<i>Lam.</i>			<i>Say.</i>
ii	396	Cerithium protextum <i>C.</i>	ii	397	Melongena (Fusus) co-
ii	396	septemstriatum <i>S.</i>			rona <i>Lam.</i>
ii	396	erianse <i>Kiener.</i>	ii	397	Natica duplicata <i>Say?</i>
		<i>C. nigrescens</i> <i>Mke.?</i>	ii	397	canrena <i>Lam.</i>
ii	396	dislocatum <i>Say.</i>	ii	397	Neritina (Theodoxus)
ii	396	—			reclivata <i>Say.</i>
ii	396	—	ii	397	Oliva litterata <i>Lam.</i>
ii	396	—	ii	397	mutica <i>Lam.</i>
ii	396	Crepidula fornicata	ii	398	Ovulum aciculare <i>Lam.</i>
ii	396	maculosa <i>Conr.</i>	ii	398	Patella —
ii	396	aculeata <i>Lam.</i>	ii	398	Pleurotoma —
ii	396	unguiformis <i>Lam.</i>	ii	398	—
		<i>C. plana</i> <i>Say.</i>	ii	398	Pollia tinctoria <i>Conr.</i>
ii	396	Cypræa pediculus.	ii	398	cancellaria <i>Conr.</i>
ii	396	Cassis sulcosa <i>Lam.</i>	ii	398	Pyrula papyratia <i>Say</i>
ii	396	Columbella avara <i>Say.</i>			<i>(Fusus).</i>
ii	396	—	ii	398	Pyramidella alveata <i>C.</i>
ii	396	Conus —	ii	398	Pirena scalariformis <i>S.</i>
		<i>[Conr.]</i>	ii	398	Ranella caudata <i>Say.</i>
ii	396	Dentalium eboreum	ii	398	Strombus pugilus.
ii	396	coarctatum <i>Lam.</i>	ii	398	Scalaria —
		<i>D. gadus</i> <i>Sowb.</i>	ii	398	Triton lineolatum <i>Conr.</i>
ii	396	Fulgur perversus <i>Lam.</i>	ii	398	Turbo castaneus.
ii	396	pyruloides <i>Say.</i>	ii	398	Trochus Tampaensis <i>C.</i>
ii	397	Fasciolaria trapezium	ii	398	Voluta Junonia.
		<i>Lam.</i>	ii	398	Vermetus lumbricalis.
ii	397	dislocatus <i>Lam.</i>	ii	398	Pholas costata.
ii	397	tulipa <i>Lam.</i>	ii	398	Teredo navalis.
ii	397	Fusus ferrugatus <i>Conr.</i>	ii	398	Polygyra plicata.
		<i>(Manatee R.) (deser.)</i>	ii	398	septemvolva.
ii	397	Fissurella —	ii	398	Glandina truncata.
ii	397	Littorina littorea <i>Say.</i>	ii	398	Pupa —
ii	397	(Phasianella) angu-	ii	398	Achatina fasciata.
		liferia <i>Lam.</i>	ii	398	Succinea campestris.
ii	397	Murex ostrearum <i>Conr.</i>			
ii	397	cellulosa <i>Conr.</i>			

Jan. 1847.

William Case.

Vol.	Page.	Fig.	Name.	Locality.
iii	101	1-3	Helix annulata <i>Case.</i>	Lake Superior.
iii	101	4, 5	Planorbis multivolvis <i>Case.</i>	Michigan.

Mar. 1847.

Gould.—Note on the above descriptions of Case: by
Dr. A. A. GOULD.

iii	270		Helix annulata <i>Case</i> = H. striatella <i>junior.</i>
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Vol.	Page	Fig.	Name.	Locality.	
Sept. 1848.			A. A. Gould. —Descriptions of Connecticut Shells collected and named by the late Rev. J. H. LINDSLEY.		
vi	233	1, 2	<i>Astarte mactracea</i> Gould.	Connecticut.	
vi	233		<i>Cytherea morrhua</i> Linsley = <i>C. convexa</i> Say.		
vi	233		<i>Unio Pequottinus</i> Lins. = <i>U. latus</i> Raf. (<i>U. rectus</i> Say).		
vi	234	3	<i>Cyclas truncata</i> Linsley.	Connecticut.	
vi	234	4, 5	<i>Anodonta Housatonica</i> Linsley.	Connecticut.	
vi	235	6	<i>Pecten fuscus</i> Linsley.	Connecticut.	
vi	236		<i>Helix Trumbulli</i> = <i>Skenea serpuloides</i> .		
vi	236	7	<i>Fusus Trumbulli</i> Linsley.	Connecticut.	
vi	236	8	<i>Buccinum zonale</i> Linsley.	Connecticut.	
Mar. 1856.			T. A. Conrad.		
xxi	172		<i>Unio diversus</i> Contr. (fig.)	Shoal creek, N. Ala.	
xxi	172		<i>viridis</i> Raf.	Phoenixville, Pa., & Trenton.	
Jan. 1858			Stimpson. —Criticism on the Mollusca of Rink's "Greenland;" by WILLIAM STIMPSON. [No descriptions, but many critical remarks.—W. G. B.]		
xxv	125		<i>Tellina tenera</i> Say; if procc., may be called— <i>T. agilis</i> Stimpson.		
March, 1859.			Smith. —Depth of Mollusca of Peconic and Gardiner's Bays, Long Island, N. Y.: by SANDERSON SMITH.		
Vol.	Pa.	Name.	Vol.	Pa.	Name.
xxvii	281	<i>Loligo illecebrosa</i> .	xxvii	282	<i>Chemnitzia interrupta</i> .
xxvii	281	<i>Ranella caudata</i> .	xxvii	282	<i>Scalaria clathrus</i> .
xxvii	281	<i>Pyrula canaliculata</i> .	xxvii	282	<i>lineata</i> .
xxvii	281	<i>carica</i> .	xxvii	282	<i>Cerithium Sayi</i> .
xxvii	281	<i>Buccinum plicosum</i> .	xxvii	282	<i>nigrocinctum</i> .
xxvii	281	<i>Nassa obsoleta</i> .	xxvii	282	<i>Greenii</i> . [sonil.
xxvii	281	<i>trivittata</i> .	xxvii	282	<i>Cerithiopsis Emer-</i>
xxvii	281	<i>Columbella avara</i> .	xxvii	282	<i>terebellum</i> .
xxvii	281	<i>Gouldiana</i> .	xxvii	282	<i>Cæcum pulchellum</i> .
xxvii	281	<i>lunata</i> .	xxvii	282	<i>Vermetus radícula</i> .
xxvii	281	<i>Pleurotoma cerinum</i> .	xxvii	282	<i>Littorina rudis</i> .
xxvii	281	<i>plicatum</i> .	xxvii	282	<i>littoralis</i> .
xxvii	281	<i>Natica heros</i> .	xxvii	282	<i>Lacuna vineta</i> .
xxvii	281	<i>duplicata</i> .	xxvii	282	<i>fusca</i> .
xxvii	281	<i>triseriata</i> .	xxvii	282	<i>Rissoa minuta</i> .
xxvii	281	<i>pusilla</i> .	xxvii	282	<i>Skenea</i> (n. s.)
xxvii	282	<i>immaculata</i> .	xxvii	282	<i>Calyptræa striata</i> .
xxvii	282	<i>Eulima subangulata</i> .	xxvii	282	<i>Crepidula fornicata</i> .
xxvii	282	<i>Chemnitzia producta</i> .	xxvii	282	<i>convexa</i> .
xxvii	282	<i>fusca</i> .	xxvii	282	<i>unguiformis</i> .
xxvii	282	<i>seminuda</i> .	xxvii	282	<i>Tectura testudinalis</i> .
xxvii	282	<i>trifida</i> .	xxvii	282	<i>Chiton apiculatus</i> .
xxvii	282	<i>bisuturalis</i> .	xxvii	282	<i>Melampus corneus</i> .

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
xxvii	282	<i>Actæon punctostria-</i>	xxvii	283	<i>Venus mercenaria.</i>
xxvii	282	<i>Bulla solitaria.</i> [tus.	xxvii	283	<i>Cytherea convexa.</i>
xxvii	282	<i>canaliculata.</i>	xxvii	283	<i>Venus gemma.</i>
xxvii	282	<i>Æolis</i> (n. s. ?)	xxvii	283	<i>Petricola dactylus.</i>
xxvii	282	<i>Ostrea borealis.</i>	xxvii	283	<i>pholadiformis.</i>
xxvii	282	<i>Anomia ephippium.</i>	xxvii	283	<i>Mactra lateralis.</i>
xxvii	282	var. <i>electrica.</i>	xxvii	283	<i>solidissima.</i>
xxvii	282	var. <i>squamula.</i>	xxvii	283	<i>Kellia planulata.</i>
xxvii	282	<i>aculeata.</i>	xxvii	283	<i>Montacuta elevata.</i>
xxvii	282	<i>Pecten irradians.</i>	xxvii	283	<i>Tellina agilis</i> (St.)
xxvii	282	<i>Mytilus edulis.</i>	xxvii	283	<i>tenta.</i>
xxvii	282	<i>modiolus.</i>	xxvii	283	<i>fusca.</i>
xxvii	282	<i>plicatulus.</i>	xxvii	283	<i>Cumingia tellinoides</i>
xxvii	282	<i>Arca transversa.</i>	xxvii	283	<i>Solen ensis.</i>
xxvii	282	<i>pexata.</i>	xxvii	283	<i>Solecurtus bidens.</i>
xxvii	282	<i>Nucula proxima.</i>	xxvii	283	<i>Mya arenaria.</i>
xxvii	282	<i>Leda limatula.</i>	xxvii	283	<i>Corbula contracta.</i>
xxvii	282	<i>sapotilla.</i>	xxvii	283	<i>Anatina papyracea.</i>
xxvii	282	<i>Solemya velum.</i>	xxvii	283	<i>Cochlodesma leanum.</i>
xxvii	283	<i>borealis.</i>	xxvii	283	<i>Lyonsia hyalina.</i>
xxvii	283	<i>Cardium Morton.</i>	xxvii	283	<i>Thracia Conradi.</i>
xxvii	283	<i>pinnulatum.</i>	xxvii	283	<i>Pandora trilineata.</i>
xxvii	283	<i>Astarte mactracea.</i>	xxvii	283	<i>Saxicava distorta.</i>

Storer, Binney, &c.—In the Boston Journal of Natural History occur the following:—

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
May.	1837				Storer. —Description of a new species of <i>Marginella</i> : by D. HUMPHREYS STORER, M. D.	
i	4	465	x	2	<i>Marginella carnea</i> Storer.	Key West.
i	4	466			Binney. —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D. [This paper was also published in pamphlet form.—W. G. B.]	
i	4	473	xii		<i>Helix major</i> Binney.	[For locality, v'de quotations from "Terrestrial Mollusks."]
i	4	475	xiii		<i>H. albolabris</i> var. <i>maxima</i>	
i	4	480	xiv		<i>albolabris</i> Say. [Fer.	
i	4	482	xv		<i>multilineata</i> Say.	
i	4	483	xvi		<i>clausa</i> Say.	
i	4	485	xvii		<i>Pennsylvanica</i> Green.	
i	4	485	xvii		<i>subglobosa</i> Binney.	
i	4	488	xviii		<i>thyroidus</i> Say.	
i	4	490	xix		<i>Mesodon leucodon</i> Raf.	
					<i>elevata</i> Say.	
					<i>H. Knoxvilleana</i> Fer.	
					<i>Mesodon helicinum</i> Raf.	

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Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
i	4	492	xx		Helix saleta Say.	
i	4	494	xxi		<i>H. albolabris</i> var. <i>unidentata</i> Per. dentifera Binney.	
Febr. 1838						
ii	1	53			Couthouy. —Descriptions of new species of Mollusca and Shells, and Remarks on several Polypi found in Massachusetts Bay: by JOSEPH P. COUTHOUY.	
ii	1	59	iii	2	Tellina sordida Couth.	
ii	1	61	iii	6	Cardium pubescens Couth.	
ii	1	62	iii	7	Nucula myalis Couth.	
ii	1	64	iii	8	tenuisulcata Couth.	
ii	1	65			Terebratula septentrionalis Couth.	
ii	1	67	i	1	Bolla Bostoniensis Couth.	
ii	1	68	i	2	(<i>Cavolina</i>) salmonacea Couth.	
ii	1	69	i	3	(<i>Tergipes</i>) gymnota Couth.	
ii	1	74	ii	1-4	Tritonia Reynoldsi Couth.	
ii	1	80			Chiton fulminatus Couth.	
ii	1	82			sagrinatus Couth.	
ii	1	83	iii	10	Emersonii Couth.	
ii	1	86			Patella candida Couth.	
ii	1	87			Rimula Noachina Linn. <i>Patella Noachina</i> Linn. <i>apertura</i> Mont. <i>fissurella</i> Gmelin. <i>Fissurella Noachina</i> Lyell. <i>Sipho radiata</i> Brown.	
ii	1	88	ii	8	Bulla triticea Couth.	
ii	1	89			Natica consolidata Couth.	
ii	1	90			Oxynoe? <i>glabra</i> Couth.	
ii	1	92	ii	7	Jaminia exigua Couth.	
ii	1	93	iii	4	Scalaria subulata Couth.	
ii	1	94	iii	5	Novangli Couth.	
ii	1	98			Turbo incarnatus Couth.	
ii	1	99	iii	9	cinereus Couth.	
ii	1	100			obscurus Couth.	
ii	1	101	i	6	Pyramis striatulus Couth.	
ii	1	103	iii	1	Turritella erosa Couth.	
ii	1	104	i	11	Pleurotoma bicarinata Couth.	
ii	1	105	iii	3	Cancellaria buccinoidea Couth.	
ii	1	106	i	10	Fusus harpularius Couth.	
ii	1	107	i	9	pleurotomarius Couth.	
ii	1	108	iii	2	Trichotropis costellatus Couth.	
[The following mentioned by name only]:—						
ii	1	110			Modiola discors Linn.	
ii	1	110			discrepans Lam.	
ii	1	110			Valvata tricarinata Say.	
ii	1	110			Natica immaculata Totten.	
ii	1	110			Galericulus lævigatum Brown.	
ii	1	110			ovatum Brown.	
ii	1	111			Fusus turriculus Mont.	
ii	1	111			Nassa acuta Say.	
ii	1	111			Actæon trifidus (<i>Jaminia</i>) Tott.	

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Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
ii	1	111			Polyclinum ———?	
ii	1	111			Botryllus stellatus Pallas.	
ii	1	111			Ascidia rustica Linn.	
ii	1	111			microcosmus Cuv.	
ii	1	111			intestinalis Linn.	
ii	1	111			pedunculata Lam.	
ii	1	122			Storer. —Description of a new species of <i>Nucula</i> from Massachusetts Bay: by D. HUMPHREYS STORER, M. D.	
ii	1	122			Nucula thraciæformis Storer (with a fig.)	
Feb.	1839				Couthouy. —Monograph of the Family Osteodesmacea of Deshayes, with Remarks on two species of <i>Patelloidea</i> , and Descriptions of new species of Marine Shells, a species of <i>Anculotus</i> , and one of <i>Eolis</i> : by JOSEPH P. COUTHOUY.	
ii	2	153	iv	2	Thracia Conradi Couth. <i>T. declivis</i> Conr. <i>Anatina convexa</i> Hitchcock's Catalogue.	New England.
ii	2	166			Osteodesma hyalina Conr. <i>Mya hyalina</i> Conr.	
ii	2	170			Cochleodesma Couth. (n. g.)	
ii	2	170			Cochleodesma Leana Conr. <i>Anatina Leana</i> Conr.	
ii	2	171			Patelloidea amœna Say. <i>Patella amœna</i> Say.	
ii	2	177			alveus Conr. <i>Patella alveus</i> Conr.	
ii	2	178	iv	4	Nucula navicularis Couth.	Massachus'ts Bay.
ii	2	179	iii	15	Bulla lineolata Couth.	Massachus'ts Bay.
ii	2	180	iv	5	hiemalis Couth.	Massachus'ts Bay.
ii	2	181	iv	6	Gouldii Couth.	Massachus'ts Bay.
ii	2	183	iv	8	Pleurotoma decussata Couth.	Massachus'ts Bay.
ii	2	185	iv	7	Anculotus dentatus Couth.	Potomac, Va.
ii	2	187	iv	9	Eolis diversa Couth.	Massachus'ts Bay.
ii	2	262			Adams. —Observations on some species of the Marine Shells of Massachusetts, with Descriptions of five new species: by C. B. ADAMS, A. M. [No descriptions, but remarks, locality, &c.—W. G. B.]	
ii	2	263			Columbella avara Say.	
ii	2	264			Buccinum vibex. <i>Nassa vibex</i> Say.	
ii	2	265			trivittatum Say. <i>Nassa trivittata.</i>	
ii	2	266			lunata Say. <i>Nassa lunata.</i>	

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Vol.	No.	Pa.	Plate	Fig.	Name.	Locality.
ii	2	267			Buccinum obsoletum. <i>Nassa obsoleta</i> Say. <i>B. oliviforme</i> Klener.	
ii	2	268			Purpura lapillus Linn. <i>Buccinum lapillus</i> L.	
ii	2	269			Ranella caudata Say.	
ii	2	269			Pyrula canaliculata Lam. <i>Murex canaliculata</i> Linn.	
ii	2	269			<i>carica</i> Lam. <i>Murex carica</i> Gmelin.	
ii	2	272			Fusus cinereus Say.	
ii	2	273			Cerithium reticulatum Tott. <i>Panthea nigra</i> Totten.	
ii	2	275			Turritella interrupta Totten.	
ii	2	276			Crepidula plana Say. <i>fornicata</i> Lam.	
ii	2	278			<i>Patella fornicata</i> Linn <i>convexa</i> Say.	
ii	2	279			Jamnia seminuda Adams.	Dartmouth har'r.
ii	2	280	iv	13	Pyramis fusca Adams.	New Bedford.
ii	2	282	iv	9	Cerithium Emersonii Adams.	New Bedford.
ii	2	284	iv	10	nigrocinctum Adams.	Dartmouth har'r.
ii	2	286	iv	11	Greenii Adams.	Dartmouth har'r.
ii	2	287	iv	12		
Jan.	1840				Anthony. —Descriptions of three new species of Shells; by J. G. ANTHONY.	
iii	1, 2	278	iii	1	Anculotus costatus Anth.	Cincinnati.
iii	1, 2	278	iii	2	Helix striatella Anth. [Anth.	Cincinnati.
iii	1, 2	279	iii	3	Paludina Cincinnatiensis	Cincinnati.
July,	1840				Adams. —Descriptions of thirteen new species of New England Shells: by C. B. ADAMS, A. M.	
iii	3	318	iii	6	Pleurotoma plicata Adams.	New Bedford.
iii	3	320	iii	7	Cerithium terebrale Adams. <i>C. Emersonii</i> (var.) Ad.	New Bedford.
iii	3	322	iii	8	Jamnia producta Adams.	Fairhaven.
iii	3	323	iii	9	Tornatella punctostriata	New Bedford.
iii	3	324	iii	13	Limnea pallida Ad. [Ad.	Lake Champlain.
iii	3	325	iii	14	<i>umbilicata</i> Adams.	New Bedford.
iii	3	326	iii	15	Planorbis virens Adams.	New Bedford. [&c.
iii	3	327	iii	16	<i>elevatus</i> Adams.	S Bos'n, L. George,
iii	3	329	iii	17	Ancylus fuscus Adams.	Andover & Mans-
iii	3	330	iii	11	Cyclas elegans Adams.	Vermont. [field.
iii	3	331	iii	18	Pupa badia Adams.	Crown Point, N. Y.
					Adams. —Description of <i>Tellina tenta</i> Say, and of <i>Helix serpuloides</i> Montague, with remarks on other Marine Shells of Massachusetts: by C. B. ADAMS, A. M.	
iii	3	332			Tellina tenta Say.	N. England, S. C.
iii	3	334			Delphinula (?) serpuloides. <i>Helix serpuloides</i> Mont.	East Boston.

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					<i>Turbo serpuloides</i> Turton. <i>Delphinoidea serpuloides</i> Brown.	
iii	3	335			Cerithium Emersonii Adams.	New Bedford.
iii	3	336			Greenii Adams.	New Bedford, &c.
iii	3	337			Jamnia seminuda Adams.	New Bedford.
iii	3	337			fusca Adams. <i>Pyramis fusca</i> Adams.	Fairhaven.
Binney. —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D. (Continued from vol. i.)						
iii	3	353	vii		Helix palliata Say. <i>H. obstricta</i> Say. <i>denotata</i> Fer. <i>Carolinensis</i> Lea. <i>Carocolla helicoides</i> Lea. <i>Tridopsis scabra</i> Raf. appressa Say. <i>H. linguifera</i> Fer.	[For locality, vide quotations from "Terrestrial Mollusks U. S."]
iii	3	356	viii		inflecta Say. <i>H. clausa</i> Fer. <i>Tridopsis clausa</i> Raf.	
iii	3	358	ix	1	monodon Rackett. <i>H. Leaii</i> Ward MS.	
iii	3	363	x	2	fraterna Say. <i>H. monodon</i> Wood. <i>convera</i> Desh.	
iii	3	365	x	3	hirsuta Say. <i>H. fraterna</i> Wood. <i>Stenotrema convera</i> Raf.	
iii	3	367	xi	2	spinosa Lea. <i>Carocolla spinosa</i> Lea.	
iii	3	369	xii		Nuttalliana Lea.	
iii	3	371	xiii		Townsendiana Lea.	
iii	3	372	xiv		concaya Say. <i>H. planorboides</i> Fer. <i>Vancouverensis</i> Lea. <i>Mesomphix planorboides</i>	
iii	3	375	ix	2	pulchella Müll. (Raf.) <i>H. paludosa</i> Montagu. <i>minuta</i> Say.	
iii	3	377	xv		profunda Say. <i>H. Richardi</i> Fer.	
iii	3	379	xvi		Sayii Binney. <i>H. diadonta</i> Say, preoc.	
iii	3	382	xvii		tridentata Say.	
			xviii		<i>H. fullax</i> Say.	
iii	3	384	xix	1, 2	auriculata Say. <i>Polygyra auriculata</i> Say. <i>acuta</i> Say. <i>H. avara</i> Fer. <i>Sayii</i> Wood.	

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Vol.	No.	Pa.	Plate	Fig.	Name.	Locality.
iii	3	388	xix	3	Helix fatigiata Say. <i>Polygyra plicata</i> Say. <i>fatigiata</i> Say. <i>Darfeuilliana</i> Lea <i>Troostiana</i> Lea.	
iii		391	xix	4	septemvolva Say. <i>Polygyra septemvolva</i> Say. <i>H. septemvolva</i> Per. <i>planorbula</i> Lam.	
iii	3	393	xxvi	1	labyrinthica Say.	
Anthony. —Descriptions of two new species of <i>Anculotus</i> : by J. G. ANTHONY.						
iii	3	394	iii	5	Anculotus carinatus Anth.	Kanawha falls.
iii	3	395	iii	4	Kirtlandianus Anth.	Kanawha falls.
iii	3	395			Gould. —Monograph of the species of Pupa found in the United States, with figures: by AUGUSTUS A. GOULD, M. D.	
iii	3	397	iii	19	Pupa corticaria Say.	[Localities not given, as they are included in the quotations from "Terrestrial Mollusks U.S."—W. G. B.]
iii	3	398	iii	20	exigua Say.	
iii	3	399	iii	22	contracta Say.	
iii	3	400	iii	10	armifera Say.	
iii	3	401	iii	12	procera Gould.	
iii	3	402	iii	23	millium Gould.	
iii	3	403	iii	21	simplex Gould.	
iii	3	404			badia Adams.	
Nov. 1841					Binney. —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D. (Continued.)	
iii	4	405	xxi	1	Helix interna Say. <i>H. pomum-Adami</i> Green.	[For localities, see "Terrestrial Mollusks U.S."—W. G. B.]
iii	4	408	xi	1	gularis Say.	
iii	4	410	xi	3	suppressa Say.	
iii	4	412	xx	1	ligera Say. <i>H. Rafinesquea</i> Fer. <i>Wardiana</i> Lea.	
iii	4	413	xx	2	intertexta Binney.	
iii	4	415	xxii	3	indentata Say.	
iii	4	416	xxvi	3	chersina Say.	
iii	4	417	xxiv		fuliginosa Griffith ined. <i>H. lucubrata</i> Say. <i>lævigata</i> Fer.	
iii	4	419	xxi	3	inornata Say.	
iii	4	421			cellaria Mull. <i>H. nitida</i> Drap. <i>glaphyra</i> Say.	
iii	4	422	xxii	1	arborea Say.	
iii	4	423	xxii	2	electrina Gould.	
iii	4	425	xxii	5	multidentata Binney.	
iii	4	426	xxiii		solitaria Say.	

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Vol.	No.	Pa.	Plate	Fig.	Name.	Locality.
iii	4	428	xxv		Helix alternata Say. <i>H. scabra</i> Lam.	
iii	4	430	xxi	4	perspectiva Say. <i>H. parvula</i> Desh.	
iii	4	432	xxi	5	striatella Anth.	
iii	4	434	xxi	2	limatula Ward, ined.	
iii	4	435	xxii	4	minuscula Binney.	
iii	4	436	xxii	6	lineata Say.	
iii	4	483			Gould. —Results of an Examination of the Shells of Massachusetts, and their Geographical Distribution: by AUGUSTUS A. GOULD, M. D. [No descriptions. Notes on the following European species]:—	
iii	4	488			Limnæa palustris.	
iii	4	488			stagnalis.	
iii	4	489			Bulimus acutus.	
iii	4	489			Helix variabilis.	
iii	4	489			Pisana.	
iii	4	489			Alasmodon margaritifera. &c. &c.	
Jan.	1842				Mighels & Adams. —Descriptions of twenty-four species of the Shells of New England: by J. W. MIGHELS, M. D., and Prof. C. B. ADAMS.	
iv	1	37				
iv	1	38	iv	1	Thracia truncata M. & Ad.	Casco bay.
iv	1	39	iv	2	Cyclas minor M. & Ad.	Weybridge, Vt., Portland, Me.
iv	1	39	iv	3	nitida M. & Ad.	Oxford Co., Me.
iv	1	40	iv	5	Nucula delphinodonta M. & Ad.	Casco bay.
iv	1	40	iv	6	Cascoensis M. & Ad.	Casco bay.
iv	1	41	iv	7	Pecten tenuicostatus M. & Ad.	Casco bay.
iv	1	42	iv	8	Chiton mendicarius M. & Ad.	Casco bay.
iv	1	42	iv	9	Cemoria princeps M. & Ad.	Maine.
iv	1	43	iv	10	Bulla puncto-striata M. & Ad.	Casco bay.
iv	1	44	iv	12	Physa fragilis M. & Ad.	Monmouth, Me.
iv	1	45	iv	13	Limnæa decollata M. & Ad.	Unity, Me.
iv	1	46	iv	14	Margarita varicosa M. & Ad.	Bay Chaleur.
iv	1	46	iv	15	acuminata M. & Ad.	Gulf St. Lawr'ce.
iv	1	47	iv	16	Trochus occidentalis M. & Ad.	Casco bay.
iv	1	48	iv	22	Cingula latior M. & Ad.	Casco bay.
iv	1	49	iv	24	arenaria M. & Ad. <i>Turbo arenarius</i> Mont.	Casco bay.
iv	1	49	iv	23	semicostata M. & Ad. <i>Turbo semicostata</i> Mont.?	Casco bay.
iv	1	50	iv	20	Turritella costulata M. & Ad.	Casco bay.
iv	1	50	iv	19	reticulata M. & Ad.	Bay Chaleur.
iv	1	51	iv	21	Pleurotoma violacea M. & Ad.	Casco bay.
iv	1	51	iv	17	Fasciolaria ligata M. & Ad.	Gulf St. Lawr'ce.
iv	1	52	iv	18	Fusus cancellatus M. & Ad.	Casco bay.
iv	1	53	iv	4	Nucula antiqua M. & Ad., fossil.	Portland, Me.
iv	1	54	iv	11	Bulla occulta M. & Ad., fossil.	Portland, Me.

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Sept.	1842.		Binney. —Descriptions of some of the species of Naked Air-breathing Mollusca inhabiting the United States: by AMOS BINNEY, M. D.	
iv	2	163		
iv	2	164	Tebennophorus Binney (n. g.)	[Localities are quoted from the "Terrestrial Mollusks U. S."—W. G. B.]
iv	2	164	Limax flavus Linn. <i>L. variegatus</i> Dr.	
iv	2	166	<i>agrestis</i> Linn. <i>L. tunicata</i> Gould.	
iv	2	169	<i>campestris</i> Binney.	
iv	2	170	Arion hortensis Fer. <i>Limax hortensis</i> Lam.	
iv	2	171	Tebennophorus Carolinensis Bosc. <i>Limax Carolinensis</i> Bosc. <i>togata</i> Gould. <i>Philomycus Carolinensis</i> Fer.	
iv	2	174	Philomycus dorsalis Binney.	
			Binney. —Description of—	
iv	2	241	Helix subplana Binney.	Tennessee.
Apr.	1843.		Mighels. —Catalogue of the Marine, Fluvial, and Terrestrial Shells of the State of Maine and adjacent Ocean: by J. W. MIGHELS, M. D.	
iv	2	108		

[No descriptions, but copious notes are given. It was also published in pamphlet form with different folios.—W. G. B.]

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iv	3	312	Pholas crispata Linn.	iv	3	316	Saxicava distorta Linn.
iv	3	312	Solen ensis Linn.	iv	3	317	Petricola pholadiformis Lam.
iv	3	312	Solecuretus Caribæus <i>Chemn.</i>	iv	3	317	Sanguinolaria fusca S.
iv	3	313	Machæra nitida Gould.	iv	3	317	Tellina sordida Couth.
iv	3	313	<i>costata</i> Say.	iv	3	318	Lucina (Cryptodon) <i>flexuosa</i> Mont.
iv	3	313	Solemya velum Say.	iv	3	318	<i>radula</i> Mont. ?
iv	3	313	<i>borealis</i> Totten.	iv	3	318	Cyclas similis Say.
iv	3	313	Panopæa arctica Lam.	iv	3	318	<i>partumeia</i> Say.
iv	3	314	Glycymeris siliqua Chem.	iv	3	319	<i>calyculata</i> Dr. ?
iv	3	314	Mya arenaria Linn.	iv	3	319	<i>minor</i> Ad. & Migh.
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Oct.	1845				H. C. Lea. —Descriptions of some new species of Marine Shells inhabiting the Coast of the United States: by HENRY C. LEA.	
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June,	1852				Prime. —Monograph of the species of <i>Pisidium</i> found in the United States of North America, with figures: by TEMPLE PRIME. [Wood-cuts are also given.]	
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vi	3	394	xv	8	<i>Donax flexuosus</i> Gould.	Santa Barbara.
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vi	3	400	xvi	5	<i>Cyrena altalis</i> Gould.	Mazatlan?
vi	3	401			<i>Cardium luteolabrum</i> Gould.	San Diego.
vi	3	402			<i>Anodon ciconia</i> Gould.	Mexico?
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vi	3	403	xvi	9	<i>Lithodomus falcatus</i> Gould.	Monterey.
vi	3	404	xvi	7	<i>Avicula sterna</i> Gould.	Mazatlan, Panama.
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¹ The shells described in the Proceedings from the Wilkes Exploring Expedition were also published in pamphlet form, with separate folios, as "The Expedition Shells."—W. G. B.

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Conrad, Phillips, &c.—In Proceedings of the Academy of Natural Sciences of Philadelphia, occur the following:—

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ii				J. G. Anthony.	
				[Several lists of Ohio shells presented by Mr. ANTHONY are given in this volume. As no descriptions are added, I have not quoted them. In Dec. 1844 (vol. ii, p. 161), <i>Melania abjecta</i> <i>Hald.</i> and <i>Paludina subsolida</i> <i>Anth.</i> occur.—W. G. B.]	
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vi	251	luteolus Lam. [Barnes. <i>U. siliquoides</i> Conr., <i>inflatus</i> Barnes. <i>Lampisilis siliquoides</i>	vi	253	notatus Lea. <i>U. sinus</i> Lea.
vi	252	lugubris Lea. [Stimp.]	vi	253	obliquus Lam. <i>U. obliquus</i> Fer,
vi	252	maculatus Conr. <i>U. Raveneliani</i> Lea.			<i>ebenus</i> Lea. [Barn.
vi	252	Masoni Conr.	vi	253	<i>undatus</i> Desh., not <i>mytiloides</i> ? Swains., not Raf. [guaria].
vi	252	moestus Lea.			obliquatus Raf. (<i>Obli-</i>
vi	252	merus Lea.			<i>U. ridibundus</i> Say.
vi	252	Menkianus Lea.	vi	253	<i>sulcatus</i> Lea.
vi	252	metallicus Say. <i>U. cuprinus</i> Lea.			obovalis Raf.
vi	252	metanever Raf.	vi	253	<i>U. solidus</i> Lea.
		<i>U. metanevrus</i> Say. <i>nodosus</i> Barnes. <i>rugosus</i> ? Barnes. <i>metanever</i> Lea.	vi	253	obtusus Lea.
vi	252	minor Lea.	vi	253	occidentalis Conr.
vi	252	Mississippiensis Conr.	vi	254	ochraceus Say. [List. <i>Pectunculus fluviatilis</i> <i>Mytilus fluviatilis</i> Gmel. <i>Symphy. ochracea</i> Lea. <i>U. ochraceus</i> Conr.
vi	252	Mortoni Conr. <i>U. turgidus</i> Lea.			<i>rosaceus</i> ? Conr., not
vi	252	Mühlfeldianus Lea.	vi	254	olivarius Raf. [De Kay. <i>U. ellipsis</i> Lea.
vi	252	Monroensis Lea.	vi	254	Ogeecheensis Conr.
vi	252	Moussianus Lea.	vi	254	oratus Conr.
vi	252	Nashvillianus Lea.	vi	254	orbiculatus Hild. <i>U. abruptus</i> Say.
vi	252	nasutus Say. <i>Mya nasuta</i> Wood. <i>U. rostratus</i> Valenc. <i>Eurinea nasuta</i> Agas.	vi	254	<i>crassus</i> Conr.
vi	252	nebulosus Conr.			ovatus Say. [Barnes. <i>U. ventricosus</i> Desh., not <i>subovatus</i> Desh., not
vi	252	neglectus Lea.			<i>Lea.</i>
vi	252	nexus Say. <i>U. arciformis</i> Lea.	vi	254	<i>occidens</i> ? Desh., not
vi	253	nervosus Raf. <i>U. zig-zag</i> Lea. <i>donaciformis</i> .	vi	254	oviformis Conr. [Lea.
vi	253	nigellus Lea.	vi	254	pallescent Lea.
vi	253	niger Raf. <i>U. incrassatus</i> Lea. <i>gibber</i> ? Lea.	vi	254	palliat Lea.
vi	253	nigerrimus Lea.	vi	254	paludicolor Gould.
vi	253	nigrinus Lea.	vi	254	papyraceus Gould.
vi	253	nitens Lea.	vi	254	parvus Barnes.
			vi	254	paulus Lea.
			vi	254	pectorosus Conr. <i>U. perdis</i> Lea. <i>biangulatus</i> Lea.
			vi	254	pellucidus Lea.
			vi	254	penitus Conr.

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	254	Unio perovatus.			<i>U. Virginiana</i> Lam.
		<i>U. nux</i> Lea.			<i>Mya oblongata</i> Wood.
vi	254	perovalis Conr.			<i>U. ochraceus</i> Desh., not
vi	254	pernodosus Lea.			<i>radiatus</i> Conr. [Say.
vi	255	pectitus Conr.			<i>Lampsilis radiata</i> Agas.
vi	255	personatus Say (female).	vi	256	Unio Rangianus Lea. [MS.
		<i>U. capillaris</i> Lea.	vi	256	Ravenelli Conr.
		<i>pileus</i> Lea (male).			<i>U. confertus</i> Lea.
vi	255	perstriatus Lea.			<i>Waterensis</i> Lea.
vi	255	Phillipsii Conr.	vi	256	rectus Lam. [sic.]
vi	255	pictus Lea.			<i>U. latissima</i> Raf. (<i>Ellip-</i>
vi	255	pillaris Lea.			<i>prælongus</i> Barnes.
vi	255	placitus Lea.			<i>rectus</i> Knut.
vi	255	planilateris Conr.			<i>Eurinea prælonga</i> Agas.
vi	255	plenus Lea.	vi	256	Reevianus Lea. [MS.
vi	255	plexus Conr.	vi	256	reflexus Raf.
		<i>U. pliciferus</i> Lea.			<i>U. cornutus</i> Barnes.
		<i>subtrapezius</i> Phillipi.	vi	256	regularis Lea.
		<i>carbonarius</i> Lea.	vi	256	retusus Lam.
vi	255	Powellii Lea.			<i>U. torsa</i> Raf.
vi	255	politus Say.			<i>obtusa</i> Cuv.
		<i>U. brevis</i> Lam.	vi	257	rivularis Conr. [Say.
		<i>olivarius</i> Raf., var. 2.			<i>U. declivis</i> Conr., not
		<i>brevis</i> Cronch.	vi	257	Roanokensis Lea.
		<i>subrotundus</i> Lea, not	vi	257	rosaceus De Kay.
		<i>politus</i> Conr. [Raf.	vi	257	rotundatus Lam.
vi	255	Prevostianus Lea.			<i>U. suborbiculata</i> Lam.
vi	255	prasinus Conr.			<i>decorticata</i> Raf.
		<i>U. Schoolcraftensis</i> Lea.			<i>glebulus</i> Say.
		<i>nodiferus</i> Lea, not C.			<i>subglobosus</i> Lea.
vi	255	productus Conr.			<i>rotundatus</i> Lea.
vi	255	proximus Lea.	vi	257	rubellus Conr.
vi	255	pullus Conr. *	vi	257	ruber Raf.
vi	255	pulvinulus Lea.			<i>U. pyramidatus</i> Lea.
vi	255	pumilus Lea.			<i>coccineus</i> Jay, not
vi	255	punicens Hald.	vi	257	rudis Conr. [Hild.
vi	255	purpuratus Lam.?			<i>U. Ravenelii</i> Lea.
		<i>U. ater</i> Lea.	vi	257	rufusculus Lea.
		<i>lugubris</i> Say.	vi	257	Rumphianus Lea.
		<i>atra</i> Desh.	vi	257	sagittiformis Lea.
		<i>purpuratus</i> Lea.	vi	257	Sapotalensis Lea.
		<i>Mya ventricosa</i> Soland.	vi	257	saxeus Conr.
vi	256	purpuratus Say.	vi	257	satur Lea.
		<i>U. Medellinus</i> Lea.	vi	257	securiformis Conr.
vi	256	pusillus Lea.	vi	257	semigranosus V d. Busc.
vi	256	pygmaeus Lea.	vi	257	Shepardianus Lea.
vi	256	quadrulus Raf.	vi	257	simus Lea.
		<i>U. asperimus</i> Lea.	vi	257	sintoxia Raf.
		<i>lachrymosus</i> Lea.	vi	257	sordidus Lea.
vi	256	radiatus Lam.	vi	257	Sowerbianus Lea.
		<i>Mya radiata</i> Gmel.	vi	257	sparsus Lea.
		<i>Mya</i> Schrot.	vi	257	spatulatus Lea.
		<i>radiata</i> Dillwyn.	vi	257	spinosus Lea.
		<i>pictorum tenuis</i> Chem.	vi	257	splendidus Lea.

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	257	Unio stagnalis <i>Conr.</i>	vi	259	Unio verrucosus <i>Raf.</i>
vi	258	stapes <i>Lea.</i>			<i>U. tuberculatus</i> <i>Barnes.</i>
vi	258	stegarius <i>Raf.</i>	vi	259	viridis <i>Raf.</i>
		<i>U. irroratus</i> <i>Lea.</i>			<i>U. Tappanianus</i> <i>Lea.</i>
vi	258	Stewardsonii <i>Lea.</i>	vi	260	vibex <i>Conr.</i>
vi	258	Stonensis <i>Lea.</i>	vi	260	Whiteanus <i>Lea.</i>
vi	258	stamineus <i>Conr.</i>	vi	260	Zeliglerianus <i>Lea</i> (<i>Zieg-</i>
vi	258	striatus <i>Lea.</i>			<i>lerianus?</i>)
vi	258	strigosus <i>Lea.</i>	vi	260	Metaptera alata.
vi	258	subinflatus <i>Conr.</i>			<i>Unio alata</i> <i>Say.</i>
		<i>U. Hopetonensis?</i> <i>Lea.</i>			<i>Symphynota alata</i> <i>Lea.</i>
vi	258	subplanus <i>Conr.</i>			<i>Unio alatus</i> <i>Lea.</i>
vi	258	subrotundus <i>Raf., y'ng.</i>			<i>M. megoptera</i> <i>Raf.</i>
		<i>U. striatus</i> <i>Raf., old.</i>			<i>Lymnadia alata</i> <i>Swains.</i>
		<i>circulus</i> <i>Lea.</i>			<i>Unio alatus</i> <i>Kust.</i>
vi	258	subtentus <i>Say.</i>	vi	260	fragilis.
vi	258	subrostratus <i>Say.</i>			<i>Elliptio fragilis</i> <i>Raf.</i>
		<i>U. iris</i> <i>Lea.</i>			<i>Unio fragilis</i> <i>Swains.</i>
vi	258	symmetricus <i>Lea.</i>			<i>fragilis</i> <i>Say.</i>
vi	258	Tampicoensis <i>Lea.</i>			<i>gracilis</i> <i>Barnes.</i>
vi	258	tæniatus <i>Conr.</i>			<i>Symphynota gracilis</i> <i>Lea.</i>
		<i>U. pulcher</i> <i>Lea.</i>			<i>Unio gracilis</i> <i>Lea.</i>
vi	258	Taitianus <i>Lea.</i>	vi	260	inflata.
vi	258	Tecomatensis <i>Lea.</i>			<i>Symphynota inflata</i> <i>Lea.</i>
vi	258	Tennesseensis <i>Lea.</i>			<i>Unio inflatus</i> <i>Conr.</i>
vi	258	tener <i>Lea.</i>			<i>Alabamensis</i> <i>Conr.</i>
vi	258	tenerus <i>Ravenel.</i>	vi	260	Ohiensis.
		<i>U. tenebrosus</i> <i>Conr.</i>			<i>Lastena Ohiensis</i> <i>Raf.</i>
vi	258	tetralasmus <i>Say.</i>			<i>Unio latissimus</i> <i>Lea.</i>
vi	259	teres <i>Raf.</i>	vi	260	Plectomerus <i>Conr.</i> (n. g.)
		<i>U. anodontoides</i> <i>Lea.</i>	vi	260	atromarginatus.
vi	259	trabalis <i>Conr.</i>			<i>Unio atromarginatus</i> <i>Lea.</i>
		<i>U. Troostensis</i> <i>Lea.</i>	vi	260	Boykianus.
vi	259	trigonus <i>Lea.</i>			<i>Unio Boykianus</i> <i>Lea.</i>
vi	259	tortivus <i>Lea.</i> [ria.)	vi	260	costatus.
vi	259	torulosus <i>Raf. (Obliqua-</i>			<i>Unio costatus</i> <i>Raf.</i>
		<i>U. gibbosus</i> <i>Raf.</i>			<i>undulatus</i> <i>Barnes.</i>
		<i>perplexus</i> <i>Lea.</i>			<i>latecostatus</i> <i>Lea.</i>
vi	259	triqueter <i>Raf.</i>	vi	261	crassidens.
		<i>U. triangularis</i> <i>Barnes.</i>			<i>Unio crassidens</i> <i>Lam.</i>
		<i>formosus</i> <i>Lea.</i>			<i>interruptus</i> <i>Say.</i>
		<i>triangularis</i> <i>Lea.</i>			<i>trapezoides</i> <i>Lea.</i>
vi	259	truncatus <i>Raf.</i>	vi	261	Nicklinianus.
		<i>U. elegans</i> <i>Lea.</i>			<i>Unio Nicklinianus</i> <i>Lea.</i>
vi	259	trossulus <i>Lea.</i>	vi	261	perplicatus <i>Conr.</i>
vi	259	tuberosus <i>Lea.</i>			<i>Unio atrocostatus</i> <i>Lea.</i>
vi	259	tumescens <i>Lea.</i>	vi	261	plectophorus <i>Conr.</i>
vi	259	undatus <i>Barnes.</i>	vi	261	plicatus.
vi	259	unicolor <i>Lea.</i>			<i>Unio plicatus</i> <i>Say.</i>
vi	259	utriculus <i>Lea.</i>			<i>Peruviana</i> <i>Lam.</i>
vi	259	Vanuxemiensis <i>Lea.</i>			<i>rarplicata</i> <i>Lam.</i>
vi	259	Vaughnianus <i>Lea.</i>			<i>Dombeyanus</i> <i>Val.</i>
vi	259	velatus <i>Conr.</i>			<i>undulatus</i> <i>Desh.,</i>
vi	259	venustus <i>Lea.</i>			not <i>Barnes.</i>

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
		<i>Unio multiplicatus</i> Desh., crassus Bar. (not Lea. plicata Swains. <i>Hippopus</i> Lea.	vi	262	Strophitus (Hemiodon) argenteus. <i>Anadonta argentea</i> Lea.
vi	261	Plectomerus Sloatianus. <i>Unio Sloatianus</i> Lea. <i>plectophorus</i> ? Con.	vi	262	Arkansensis. <i>Anod. Arkansensis</i> Lea.
vi	261	Complanaria complanata. <i>Alas. complanata</i> Barn. <i>Symph. complanata</i> Lea. <i>Unio complanata</i> Desh. <i>Katherina</i> Lea.	vi	262	calceolus. <i>Unio calceola</i> Lea. <i>Margaritana calceola</i>
			vi	263	Curreyanus. [Lea. <i>Marg. Curreyana</i> Lea.
			vi	263	deltoides. <i>Marg. deltoides</i> Lea.
vi	261	costata. <i>Alasm. costata</i> Raf. <i>rugosa</i> Barnes. <i>C. rugosa</i> Agas.	vi	263	edentulus. <i>Alasm. edentula</i> Say. <i>Anod. edentula</i> De Kay. <i>edentula</i> Lea. <i>areolata</i> Swains.
vi	261	compressa. <i>Symph. compressa</i> Lea. <i>Unio compressus</i> Conr. <i>C. alasmodontina</i> Stimp.	vi	263	Etowaeosis Conr.
vi	262	Margaritana arcuata. <i>Alasm. arcuata</i> Barnes. <i>M. margaritifera</i> Lea, not Lin. <i>arcuata</i> Stimp.	vi	263	fabula. <i>Marg. fabula</i> Lea.
vi	262	falcata Gould.	vi	263	Hildrethianus. <i>Marg. Hildrethiana</i> Lea.
vi	262	monodonta. <i>Unio monodontus</i> Say. <i>Alasm. monodonta</i> Fer. <i>Unio Soleniformis</i> Lea.	vi	263	Holstonia? <i>Marg. Holstonia</i> Lea.
vi	262	Alasmodonta arcuata Lea.	vi	263	minor. <i>Marg. minor</i> Lea.
vi	262	confragosa Say. <i>Unio confragosa</i> Desh. <i>Marg. confragosa</i> Lea.	vi	263	radiatus Conr. [Journ. <i>Alasm. radiata</i> Sillim. <i>Marg. radiata</i> Lea.
vi	262	marginata Say. <i>Unio varicosa</i> Lam. <i>Mya rugulosa</i> Wood. <i>Marg. marginata</i> Lea. <i>A. marginata</i> De Kay.	vi	263	Ravenellianus. <i>Marg. Ravenellianus</i> Lea.
vi	262	truncata Say, MS. <i>A. marginata</i> Aug.	vi	263	Shæfferiana. <i>Anod. Shæfferiana</i> Lea.
vi	262	Leptodea lata Raf. <i>Unio dehiscens</i> Say. <i>oriens</i> Lea. <i>dehiscens</i> Lea. <i>Anodonta lata</i> Fer. <i>Unio latus</i> Say.	vi	263	tetragona. <i>Anod. tetragona</i> Lea.
vi	262	leptodon Raf. <i>Unio leptodon</i> Say. <i>planus</i> Barnes. <i>An. purpurascens</i> Swain. <i>Symph. tenuissima</i> Lea. <i>Unio tenuissima</i> Lea.	vi	263	unadilla De Kay.
			vi	263	undulatus. <i>Anod. undulata</i> Say. <i>rugosa</i> Swains. <i>Pennsylvanica</i> Lam <i>S. undulatus</i> Stimp.
			vi	263	virgatus Conr. <i>Anod. Wardiana</i> Lea.
			vi	263	Anodonta angulata Lea.
			vi	263	Benedictensis Lea.
			vi	263	Buchanensis Lea.
			vi	263	Californiensis Lea.
			vi	263	cataracta Say. <i>A. fluviatilis</i> Lea.
			vi	263	cognata Gould.
			vi	263	Couperiana Lea.
			vi	263	cylindræa Lea.
			vi	263	decora Lea.

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	263	Anodonta declivis <i>Conr.</i>	vi	264	Anodonta Stewartiana <i>Lea.</i>
		<i>A. plana</i> <i>Lea.</i>			
vi	264	denigrata <i>Lea.</i>	vi	264	suborbiculata <i>Say.</i>
vi	264	excurvata <i>De Kay.</i>	vi	264	subcylindracea <i>Lea.</i>
vi	264	fragilis <i>Lam.</i>	vi	264	subvexa <i>Conr.</i>
vi	264	ferruginea <i>Lea.</i>	vi	264	teres <i>Conr.</i>
vi	264	Ferrussaciana.	vi	264	virens <i>Lea.</i>
vi	264	Footiana <i>Lea.</i>	vi	264	Wahlamatensis <i>Lea.</i>
vi	264	gibbosa <i>Say.</i>			Notes on—
vi	264	gigantea <i>Lea.</i>	vi	264	Unio asper.
vi	264	glauca <i>Valen.</i>	vi	264	cariosus.
vi	264	grandis <i>Say.</i>	vi	265	cerinus.
		<i>A. corpulenta</i> <i>Coop., MS.</i>	vi	265	complanatus <i>Soland.</i>
vi	264	Harpentis <i>Lea.</i>	vi	265	clava.
vi	264	imbecilis <i>Say.</i>	vi	265	nodiferus <i>Conr.</i>
		<i>A. incerta</i> <i>Lea.</i>	vi	265	ochraceus <i>Say.</i>
vi	264	implicata <i>Say.</i>	vi	265	obliquus <i>Lam.</i>
		<i>A. Newtonensis</i> <i>Lea.</i>	vi	265	plexus <i>Conr.</i>
vi	264	impura <i>Say.</i>	vi	265	prasinus <i>Conr.</i>
vi	264	Linneana <i>Lea.</i>	vi	266	purpuratus <i>Lam.</i>
vi	264	lugubris <i>Say.</i>	vi	266	quadrulus is not U. rugosus <i>Barnes.</i>
vi	264	Marryattana <i>Lea.</i>	vi	266	undatus.
vi	264	marginata <i>Say.</i>	vi	266	undulatus <i>Barnes.</i>
vi	264	Nuttalliana <i>Lea.</i>	vi	266	viridis <i>Raf.</i>
vi	264	oblita <i>Lea.</i>	vi	266	Anodonta cataracta <i>Say.</i>
vi	264	opaca <i>Lea.</i>	vi	266	marginata <i>Say.</i>
vi	264	Oregonensis <i>Lea.</i>	vi	267	Unio cuneatus <i>Raf.</i>
vi	264	ovata <i>Lea.</i>	vi	267	fasciolus <i>Raf.</i>
vi	264	pavonia <i>Lea.</i>	vi	267	simplex <i>Lea.</i>
vi	264	Pepiniana <i>Lea.</i>	vi	267	triangularis <i>Raf.</i>
vi	264	plicata <i>Hald.</i>			
vi	264	salmonia <i>Lea.</i>			

Table showing the geographical range of the Families Unionidæ, Muteladæ, and Mycetopodidæ, and some of the genera and subgenera.

ASIA.

Family Unionidæ.

SUBGENERA.

- vi 267 **Naia** *Swains.*
 vi 267 **Lanceolaria** *Conr.*
 vi 267 **Monodontina** *Conr.*

GENERA.

- vi 267 **Barbala** *Humph.*
 vi 267 **Hyriopsis** *Conr.*
 vi 267 **Nodularia** *Conr.*

EUROPE.

SUBGENERA.

- vi 267 **Mysca** *Turton.*
 vi 267 **Potamida** *Swains.*

AFRICA.

Family Muteladæ.

- vi 267 **Mutela** *Scopoli.*
 vi 267 **Iridella** *Conr.*
 vi 267 **Pleiodon** *Conr.*
 vi 267 **Calliscapha** *Swains.*
Spatha *Lea.*

Family Unionidæ.

SUBGENUS.

- vi 267 **Cælatura** *Conr.*

AUSTRALIA.

Family Unionidæ.

- vi 267 **Hyridella** *Swains.*

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vi	267	<i>Parreysia</i> <i>Conr.</i> <i>U. multidentatus</i> Parreyss.			SOUTH AMERICA.
vi	267	<i>Cucumaria</i> <i>Conr.</i>			Family Muteladae.
		NORTH AMERICA.	vi	267	<i>Lella</i> <i>Gray.</i>
		Family Unionidae.	vi	267	<i>Paxyodon</i> <i>Schum.</i>
		SUBGENERA.	vi	267	<i>Prisodon</i> <i>Schum.</i>
vi	267	<i>Eurinea</i> <i>Raf.</i>			SUBGENUS.
vi	267	<i>Lampsilis</i> <i>Raf.</i>	vi	267	<i>Iridea</i> <i>Swains.</i>
vi	267	<i>Canthyrta</i> <i>Swains.</i>			Fam. Mycetopodidae.
vi	267	<i>Theliderma</i> <i>Swains.</i>	vi	267	<i>Mycetopus</i> <i>D'Orb.</i>
vi	267	<i>Cunicula</i> <i>Swains.</i>			Family Unionidae.
		GENERA.			GENERA.
vi	267	<i>Metaptera</i> <i>Raf.</i>	vi	267	<i>Lamproscapha</i> <i>Swains.</i>
vi	267	<i>Strophitus</i> <i>Raf.</i>	vi	267	<i>Monococondylæa</i> <i>D'Orb.</i>
vi	267	<i>Lastena</i> <i>Raf.</i>	vi	267	<i>Byssodonta</i> <i>D'Orb.</i>
vi	267	<i>Complanaria</i> <i>Swains.</i>			SUBGENUS.
vi	267	<i>Alasmodonta</i> <i>Say.</i>	vi	267	<i>Corrugaria</i> <i>Conr.</i>
		SUBGENERA OF UNIO.			
		NODULARIA <i>CONR.</i>			GLEBULA <i>CONR.</i>
vi	268	<i>Unio Douglasiæ</i> <i>Gray.</i>			Louisiana.
		IRIDEA <i>SWAINS.</i>	vi	268	<i>Unio rotundatus</i> <i>Lam.</i>
vi	268	<i>Unio granosus</i> <i>Lam.</i>			UNIOMERUS <i>CONR.</i>
vi	268	<i>sollisiana</i> <i>D'Orb.</i>			Southern States.
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vi	268	<i>Fontainiana</i> <i>D'Orb.</i>	vi	268	<i>subroceus.</i>
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vi	268	<i>Unio fasciolaris.</i>			PROPOSED NEW GENERA.
vi	268	<i>lineolatus.</i>			CUCUMARIA <i>CONR.</i>
vi	268	<i>Eastbrookianus.</i>	vi	269	<i>Unio cucumoides</i> <i>Lea.</i>
vi	268	<i>subtentus.</i>			HYRIOPSIS <i>CONR.</i>
vi	268	<i>celatus.</i>	vi	269	<i>Unio delphinus</i> <i>Gruner.</i>
vi	268	<i>arcus, &c.</i>			

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			vi	269	<i>capax</i> Green (<i>Symphynota globosa</i> Lea).
			vi	269	<i>capaxformis</i> Lea. [rus.
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vi	319	canaliculatum (<i>Pyrula</i>) Lam. <i>Buccinum umpullaceum</i> Lister. <i>Murex canaliculatus</i> L. <i>Pyrula canaliculata</i> Rve.			N. J., R. I., Mass.
vi	319	perversum (<i>Murex</i>) Linn. <i>Buccinum</i> , &c. Lister. <i>Pyrula perversa</i> Lam.			Southern coast.
vi	319	pyrum (<i>Bulla</i> Dillw.) <i>Buccinum</i> , &c. Lister. <i>Bulla ficus</i> β Gmelin. <i>Pyrula spirata</i> Lam., Rve. <i>F. pyruloides</i> Say. <i>Pyrula spirata</i> Rve.			Southern coast of Fla.
vi	319	candelabrum (<i>Pyrula</i>) Lam.			
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vi	320	Dreissena leucophæatus Conrad. <i>Mytilus leucophæatus</i> Conrad.			Virginia.
vi	320	Artemis concentrica. <i>A. acetabulum</i> Conrad (fossil). <i>Venus concentrica</i> Born.			Florida.
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vi	220	discus Reeve <i>Cytherea concentrica</i> Chenu non			[Born. S'n and Middle States.
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vi	448	Conrad. —Synopsis of the genus <i>Cassidula</i> Humphr., and of a proposed new genus <i>Athleta</i> : by T. A. CONRAD. [The only American species.—W. G. B.]			
vi	449	Cassidula corona. <i>Pyrula patula</i> Brod. <i>Murex corona</i> Gmelin. <i>Fusus corona</i> Lam. <i>Buccinum ornatum</i> Say. <i>Melongena corona.</i>			Florida.

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vi	449	<i>fragosus</i>	} = Quadrula Agassiz.		
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vii	31	Gnathodon rostratum Petit = G. flexuosum.			
vii	31	<i>trigonum</i> Petit = G. Lecontei Conrad?			
vii	31	Trigonella Conrad = Pachydesma.			
vii	31	Dolium album Conrad.			
vii	32	Alasmodonta ——— Conrad.			
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vii	236	[Mr. LEA's views of synonymy being included in his synopsis, are not quoted here. As regards errors of dates, the following are specified.—W. G. B.]			
		Name.	Mr. Conrad's date.	Mr. Lea's date of reading.	Mr. Lea's date of distribution.
vii	242	Unio lanceolatus Lea.	1832 }	1827	1828
vii	242	<i>irroratus</i> Lea.	1832 }		
vii	243	<i>occidens</i> Lea.	1832 }	1829	1829
vii	243	<i>rubiginosus</i> Lea.	1832 }		
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vii	256	Unio grandensis Conrad.	Rio Grande, Texas.		
vii	256	Taumilapasensis Conrad.	San Juan riv, Taumila-		
vii	256	Pearlensis Conrad.	Pearl riv., Miss. [pas.]		
Feb.	1855.	Conrad. —Description of a new species of Melania: by T. A. CONRAD.			
vii	269	Melania exigua Conrad.	[Colorado Des., Cal.]		
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viii	80	<i>effusa</i> Lea.			
viii	80	Melania Shastaensis Lea.	Sacramento riv., Cal.		
viii	80	<i>nigrina</i> Lea.	Shasta & Scott riv, Cal. Clear cr, Shasta Co, Cal.		

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		<i>Alusmodonta fulcata</i> Gould.	
		<i>Yubensis</i> Trask.	
viii	81	<i>Anodonta Wahlamatensis</i> Lea.	Sacramento river.
		<i>A. triangulata</i> Trask.	
		<i>rotundovata</i> Trask.	
viii	81	<i>angulata</i> Lea.	Upper San Joaquin.
		<i>A. feminalis</i> Gould.	
		<i>Randalli</i> Trask.	[Co., Cal.
viii	81	<i>Helix Oregonensis</i> Lea.	P't Cypress, Monterey
viii	81	<i>Nickliniana</i> Lea.	Tomales Bay & Dead
			Man's Island.
viii	81	<i>Californiensis</i> Lea.	Point Cypress.
viii	81	<i>Lymnæa exigua</i> Lea.	San Antonio Arroya.
viii	81	<i>pallida</i> Adams.	San Antonio Arroya.
viii	81	<i>Physa heterostropha</i> Say.	Los Angeles.
viii	81	<i>Melania occata</i> Hinds.	Sacramento river.
viii	81	(<i>Paludina</i>) <i>seminalis</i> Hinds.	Sacramento river.
viii	81	<i>Planorbis trivolvus</i> Say.	Horn lake. [Valley.
viii	81	<i>ammon</i> Gould.	Lagoons, Sacramento
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viii	95	<i>Unio umbrosus</i> Lea.	[Medellin river, Mex.
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viii	145	<i>Melania rubida</i> Lea.	[Mexico.
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viii 259	<i>Anodonta</i> ——— ?		(? <i>obtusale</i> Pfr.) [Prime.
viii 259	<i>Cyclas similis</i> Say.		viii 259 <i>Lymnæa gracilis</i> Jay.
viii 259	<i>rhomboides</i> Say.		viii 259 <i>columella</i> Say.
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viii	262	<i>Unio Elliottii</i> Lea.	viii	262	<i>Unio vicinus</i> Lea.
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18	Helix intercalis <i>W. G. Binney.</i> <i>H Nickliniana</i> Binney (var.)	Oregon.	
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85	<i>Unio Wheatleyi</i> Lea.	86	<i>Unio spadiceus</i> Lea.
85	<i>percoarctatus</i> Lea.	86	<i>insulsus</i> Lea.
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14	<i>Margaritana complanata</i> Lea.		
	Lea.—Descriptions of new species of <i>Unio</i> from Tennessee, Alabama, and North Carolina: by ISAAC LEA.		
40	<i>Unio turgidulus</i> Lea.	Cumberland riv., Ten. and Florence, Ala. Florence, Ala. Tenn. r., Florence, Ala. Tenn. r., Florence, Ala. Tenn. r., Florence, Ala. Neuse river, N. C. Neuse river, N. C. Neuse river, N. C.	
40	<i>perradiatus</i> Lea.		
40	<i>Meredithii</i> Lea.		
40	<i>Pybasii</i> Lea.		
40	<i>virescens</i> Lea.		
41	<i>Neusensis</i> Lea.		
41	<i>purus</i> Lea.		
41	<i>exacutus</i> Lea.		

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1858. Page.	Name.	Locality.
	Lea. —Descriptions of a new <i>Helix</i> and two new <i>Planorbis</i> : by ISAAC LEA.	
41	<i>Helix Clarkii</i> Lea.	Cherokee Co., N. C.
41	<i>Planorbis Wheatleyi</i> Lea.	Montgomery Co., Ala.
41	<i>Newberryi</i> Lea.	Klamath lake & Canoe creek, Cal.
May.		
114	Lea. —Observations on the Anatomy of <i>Unio</i> : by ISAAC LEA.	
	W. G. Binney. —Notes on American Land Shells, No. 3: by W. G. BINNEY.	
114	<i>Succinea Haydeni</i> W. G. Binney.	Nebraska.
115	<i>Helix Cooperi</i> W. G. Binney.	Nebraska.
115	<i>Newberryana</i> W. G. Binney.	California.
116	<i>Bulimus patriaroha</i> W. G. Binney.	Buena Vista.
June.		
135	I. Lea. —Anatomy of— <i>Unio rubiginosus</i> Lea.	
	Lea. —Descriptions of seven new species of <i>Margaritana</i> and four new species of <i>Anadonta</i> : by ISAAC LEA.	
138	<i>Margaritana Elliottii</i> Lea.	Georgia.
138	<i>triangulata</i> Lea.	[For localities, vide quotations from Jour.]
138	<i>Connasaugaensis</i> Lea.	
138	<i>Etowahensis</i> Lea.	
138	<i>Gesnerii</i> Lea.	
138	<i>Tombecheensis</i> Lea.	
138	<i>Spillmanii</i> Lea.	
138	<i>Anodonta Hallenbeckii</i> Lea.	
139	<i>Gesnerii</i> Lea.	
139	<i>Dariensis</i> Lea.	
139	<i>Danielii</i> Lea.	
July.		
	Lea. —Descriptions of twelve new species of <i>Uniones</i> and other Fresh-water Shells of the United States: by ISAAC LEA.	
165	<i>Unio Boswellensis</i> Lea.	Georgia, vide Journal.
165	<i>Postellii</i> Lea.	Georgia, vide Journal.
165	<i>Neisleri</i> Lea.	Georgia, vide Journal.
166	<i>Prattii</i> Lea.	Georgia, vide Journal.
166	<i>Chattanoogaensis</i> Lea.	Georgia, vide Journal.
166	<i>Downiei</i> Lea.	Georgia, vide Journal.
166	<i>Satillaensis</i> Lea.	Georgia, vide Journal.
166	<i>Haselhurstianus</i> Lea.	Georgia, vide Journal.
166	<i>Melania Postellii</i> Lea.	Georgia.
166	<i>Paludina Elliottii</i> Lea.	Georgia.
166	<i>Lymnea Haydenii</i> Lea.	Yellowstone.
166	<i>Ancylus Newberryi</i> Lea.	Klamath lake, Cal.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
Nov.	W. G. Binney. —Notes on American Land Shells, No. 4: by W. G. Binney. [The cross references of synonyms in the following catalogues are omitted.—W. G. B.]		
	I.	198 29	Helix Pandoræ Forb.
	Familia Limacea.	198 30	<i>H. domasceus</i> Gould.
197 1	Arion foliatus Gould.	198 31	ramentosa Gould.
197 2	Limax Columbianus Gould.		redemita W. G. Binn.
	Familia Helicea.	198 32	<i>H. Nickliniana</i> (var.) Binn.
197 3	Succinea cingulata Forbes.	198 33	reticulata Pfr.
197 4	Nuttalliana Lea.		sportella Gould.
197 5	Oregonensis Lea.		SPECIES EXCLUSA.
197 6	rusticana Gould.	198	Helix Sagrainiana Orb.
	SPECIES EXCLUSA.	198 34	Bulimus Californicus Ree.
197	Succinea aperta Lea.	198 35	chordatus Pfr.
		198 36	excelsus Gould.
197 7	Helix acutedenta W. G. Binn.		<i>B. elatus</i> Gould, in tab.
	? var. δ H. Loisa W. G. B.	198 37	Humboldti Ree.
197 8	anachoreta W. G. Binn.		<i>B. Mexicanus</i> Val., neo Lam.
197 9	areolata Pfr.		<i>Mexicanus</i> Pfr. (excl. <i>B. Mexicanus</i> Val.)
197 10	arrosa Gould in Litteria.	198 38	Laurentii Sowb.
	<i>H. æruginosa</i> Gould.	198 39	Mexicanus Lam.
197 11	aspera Mull.?		<i>Cochlogena vittata</i> Fer.
197 12	Californiensis Lea.	198 40	vegetus Gould.
	<i>H. vineta</i> Val.		(<i>B. pallidior</i> Sowb.)
197 13	Columbiana Lea.	198 41	vesicalls Gould.
	<i>H. labiosa</i> Gould.	198 42	zebra Mull.
197 14	devia Gould.	198 43	Ziegleri Pfr.
	<i>H. Baskervillei</i> Pfr.	198 44	Achatina Californica Pfr.
197 15	Dupetithouarsi Desh.		SPECIES EXCLUSA.
	<i>H. Oregonensis</i> (junior) Lea.	198	Achatina Albersi Pfr. = Glandina .
197 16	exarata Pfr.?		turris Pfr. = Glandina .
197 17	fidelis Gray.	198 45	Glandina Albersi Pfr.
	<i>H. Nuttalliana</i> Lea.	198 46	turris (<i>Achatina</i>) Pfr. [Carp.
197 18	germana Gould.		<i>G. Albersi</i> var. <i>turrita</i> P. P.
197 19	infumata Gould.		<i>Oleacina turris</i> Gr. et Pfr.
197 20	intercisa W. G. Binn.		Familia Auriculacea.
	<i>H. Nickliniana</i> (var.) Binn.		Sub-familia Melampea.
197 21	Kelletti Forbes.	198 47	Melampus olivaceus Carp.
197 22	levis Pfr.		Familia Aciculacea.
197 23	Loisa W. G. Binn.	198 48	Truncatella Californica Pfr.
	(an <i>H. acutedentata</i> var.?)		<i>T. ———</i> ? Carp.
197 24	loricata Gould.		II.
	<i>H. Lecontei</i> Lea.		Familia Limacea.
197 25	Mazatlanica Pfr.	198 49	Vaginulus Floridianus Binn.
197 26	Mormonum Pfr.		
197 27	Newberryana W. G. Binn.		
197 28	Nickliniana Lea.		
	<i>H. nemoraviga</i> Val.		
	<i>arborescens</i> Val.		
	Californiensis Pfr.		

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
	SPECIES EXCLUSÆ.	199	<i>Philomycus dorsalis</i> Binney = Tebennophorus dorsalis.
198	<i>Vaginulus flexuolaris</i> Grat.	199	<i>flexuolaris</i> Raf.
198	<i>fuscus</i> Grat.	199	<i>fuscus</i> Raf.
198	<i>oxyurus</i> Grat.	199	<i>lividus</i> Gr. et Pfr.
198	<i>quadrulus</i> Grat.	199	<i>nebulosus</i> Gr. et Pfr.
198 50	Tebennophorus Carolinensis (<i>Limax</i>) Bosc.	199	<i>Testacina</i> Raf.
	<i>Limax Carolinianus</i> DeRoissy.	199	<i>Urcinella</i> Raf.
	<i>Carolinensis</i> Fer.	199	<i>Zilotea</i> Raf.
	<i>marmoratus</i> De Kay.	199	<i>Oxyurus</i> Raf.
	<i>togata</i> Gould.	199	<i>quadrilus</i> Raf.
	<i>Philomycus Carolinensis</i> Fer.		Familia Helicea.
	<i>T. Carolinensis</i> Binn.	199 57	Vitrina angelicæ Beck.
198 51	dorsalis Binn.		<i>Helix pellucida</i> Fabr.
	<i>Philomycus dorsalis</i> Binn.		<i>domestica</i> Ström.
	<i>Limax dorsalis</i> De Kay.	199 58	limpida Gould.
198 52	Arion empiricorum Fer.		<i>V. pellucida</i> Say.
198 53	hortensis Fer.		<i>Americana</i> Pfr.
	SPECIES EXCLUSA.	199 59	Succinea aurea Lea.
	<i>Arion foliatus</i> Gould.		<i>S. ovalis</i> teste Anthony.
198 54	Limax agrestis Mull.	199 60	avara Say.
	<i>L. tunicata</i> Gould.		<i>S. Wardiana</i> Lea.
199 55	campestris Binn.		<i>var. major.</i>
199 56	variegatus Fer.	199 61	campestris Say.
	<i>L. flavus</i> Binn.	199 62	concordialis Gould.
	SPECIES EXCLUSÆ.		<i>S. munita</i> Binn.
199	<i>Limax Carolinianus</i> De Roissy =	199 63	effusa Shutt.
	Tebennophorus Carolin-	199 64	Grœnlandica Beck.
	ensis.	199 65	Haydeni W. G. Binn.
199	<i>Carolinensis</i> Fer. = Tebennophorus Carolinensis.	199 66	inflata Lea.
199	<i>Columbianus</i> Gould.		<i>S. campestris</i> , <i>var.</i> , teste Binn.
199	<i>dorsalis</i> De Kay = Tebennophorus dorsalis.	199 67	lineata W. G. Binn.
	<i>fuliginosus</i> Gould.	199 68	luteola Gould.
199	<i>gracilis</i> Raf.	199 69	obliqua Say.
199	<i>marmoratus</i> De K., vide Tebennophorus Carolinensis.		<i>S. ovalis</i> Say.
199	<i>olivaceus</i> Gould.		<i>campestris</i> Gould.
199	<i>togata</i> Gld. = Tebennophorus Carolinensis.		<i>lineata</i> De Kay.
	E LIMACEIS EXCLUSÆ.	199 70	Cochlohydra ovalis Fer.
199	Eumelus Raf.	199 71	ovalls Gould non Say.
199	<i>lividus</i> Raf.		retusa Lea.
199	<i>nebulosus</i> Raf.		<i>S. ovalis</i> Binn.
199	<i>Deroceras</i> Raf.		<i>campestris</i> Anthony.
199	<i>gracilis</i> Raf.	199 72	Salleana Pfr.
199	<i>Philomycus</i> Raf.	199 73	Totteniana Lea.
199	<i>Carolinensis</i> Fer. = Tebennophorus Carolinensis.	199 74	<i>S. obliqua</i> Binn. nec Say.
			vermeta Say = <i>S. avara</i> Say.
			SPECIES EXCLUSÆ.
		200	Succinea amphibia Dr.
		200	<i>putris</i> Linn.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
200 75	Helix albolabris Say. <i>Helicogena albolabris</i> Fer. <i>H. rufa</i> De Kay (junior). var. <i>dentata</i> .	200 90	var. <i>laminifera</i> . Helix chersina Say. <i>H. fulva</i> teste Chemn.
200 76	<i>alternata</i> Say. <i>Helicella alternata</i> Fer. <i>H. scabra</i> Lam. <i>radiata</i> Gmel. <i>H. infecta</i> Pfr. <i>strongylodes</i> Pfr. † var. 1. <i>albina</i> . 2. <i>Australis</i> . 3. <i>carinata</i> (<i>H. mordax</i>) 4. <i>laevigatior</i> . [Sh. ?]	200 91	Clarkii Lea.
200 77	<i>appressa</i> Say. <i>H. linguifera</i> Lam. <i>Helicodonta linguifera</i> Fer. var. <i>a</i> Say.	200 92	<i>clausa</i> Say. <i>H. Pennsylvanica</i> Pfr.
200 78	<i>arborea</i> Say. <i>Helicella arborea</i> Fer. (<i>H. ni-</i>	201 93	<i>concava</i> Say. <i>H. planorboides</i> Pfr. <i>Helicella planorboides</i> Fer.
200 79	<i>Ariadnae</i> Pfr. [<i>tide</i> var.]	201 94	Cooperi W. G. Binn.
200 80	<i>H. Couchiana</i> Lea.	201 95	Cumberlandiana (<i>Carocolla</i>). <i>H. Cumberlandiana</i> Binn.
200 81	<i>aspera</i> Müll.	201 96	<i>demissa</i> Binn.
200 82	<i>asteriscus</i> Morse. <i>H. minutissima</i> Gld., nec Lea.	201 97	<i>dentifera</i> Binn.
200 83	<i>auriculata</i> (<i>Polygyra</i>) Say. <i>H. auriculata</i> Binn. <i>Helicodonta auriculata</i> Fer. var. <i>minor</i> Fer. † Conf. <i>H.</i> <i>uvulifera</i> . [Binn. ?] <i>H. auriculata</i> var. <i>avara</i>	201 98	<i>divesta</i> Gould. <i>H. abjecta</i> Gould. <i>dejecta</i> Gould.
200 84	<i>avara</i> (<i>Polygyra</i>) Say. <i>H. avara</i> De Kay. <i>auriculata</i> Binn. <i>Sayii</i> Wood. <i>Helicodonta avara</i> Fer.	201 99	Dorfeuilliana (<i>Polygyra</i>) Lea. <i>H. fatigiata</i> Binn. <i>Dorfeuilliana</i> Bld. nec Pfr.
200 85	<i>barbigera</i> Redf.	201 100	Edgariana (<i>Carocolla</i>) Lea. <i>H. Edgariana</i> Pfr. <i>spinosa</i> (var.) Binn.
200 86	<i>bucculenta</i> Gould. <i>H. thyroides</i> (var. <i>β</i>) Pfr. † <i>Helicodonta thyroides</i> (var. <i>β</i>) var. <i>minor</i> . [Fer. ?]	201 101	Edwardsi Bld.
200 87	<i>bulbina</i> Desh.	201 102	<i>egena</i> Say. non <i>H. egena</i> Gould.
200 88	<i>capsella</i> Gould. <i>H. rotula</i> Gould. <i>placentula</i> Shutt.	201 103	<i>electrina</i> Gould. <i>H. nitidosa</i> (var.) Pfr. <i>pura pars</i> Chemn.
200 89	<i>cellaria</i> Müll. ? <i>H. glaphyra</i> Say, nec Pfr. <i>Helicella glaphyra</i> Fer.	201 104	<i>elevata</i> Say. <i>Helicodonta Knoxvilliana</i> Fer. <i>H. Tennesseensis</i> (jun.) Lea.
	<i>cereolus</i> Müll. <i>Polygyra septemvolva</i> Say. <i>H. septemvolva</i> Binn. <i>Helicodonta septemvolva</i> Fer. <i>H. planorbula</i> Lam.	201 105	Ellioti Redf.
		201 106	<i>exigua</i> Stimp. <i>H. annulata</i> Case. <i>striatella</i> (jun.) teste Gld.
		201 107	<i>exoleta</i> Binn. <i>H. albolabris</i> † <i>unidentata</i> Pfr. <i>albolabris</i> (var.) D. Chemn. <i>Helicodonta albolabris</i> (var.) <i>H. zaleta</i> Binn. [Fer.]
		201 108	Fabricii (<i>Petasia</i>) Beck. <i>H. Fabricii</i> Müll. <i>Hammonis</i> Ström. ? <i>nitida</i> Fabr. ? <i>alliaria</i> Forbes.
		201 109	fallax Say. <i>H. tridentata</i> Binn.
		201 110	fatigiata (<i>Polygyra</i>) Say. <i>H. fatigiata</i> Binn. <i>Texasiana</i> (var.) B. Chemn. <i>Texasiana</i> † Pfr. <i>Dorfeuilliana</i> Desh.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
	<i>Helicina fastigiata</i> De Kay.	202 127	Helix inornata Say.
201 111	Helix friabilis W. G. Binn.		<i>H. glaphyra</i> Pfr.
	<i>H. lucubrata</i> Pfr. in litt.	202 128	interna Say.
201 112	fuliginosa Binn.		<i>H. pomum-Adami</i> Green
	<i>H. capillacea</i> Pfr.		var. <i>albina</i> .
	<i>Omphalina cuprea</i> Raf. ?	202 129	intertexta Binn.
202 113	griseola Pfr.		var. <i>carinata</i> .
	<i>H. splendida</i> An.	202 130	jejuna Say.
	<i>cicercula</i> Fer. MS.		<i>H. Mobiliana</i> Lea.
	<i>Brandybæne pisum</i> Beck.	203 131	kopnodes W. G. Binn.
	<i>H. albozonata</i> Binn. ?	203 132	labyrinthica Say.
202 114	gularis Say.		<i>Helicodonta labyrinthica</i> Fer.
	<i>H. bicostata</i> Pfr.	203 133	lævigata Pfr. (excl. <i>H. inor-</i>
	<i>Helicodonta gularis</i> Fer.		<i>Helicella lævigata</i> Fer. [nata.
	<i>Helicostyla Rafinesquea</i> Fer. ?		<i>H. inornata</i> Rve.
	var. <i>umbilicata</i> .		<i>lucubrata</i> Binn.
202 115	Gundlachi Pfr.		<i>fuliginosa</i> Binn.
	<i>H. pusilla</i> Pfr.		var. <i>major</i> Pfr. (an <i>H. lævi-</i>
	<i>egena</i> Gould, nec Say.	203 134	lasmodon Phil. [gata Rve. ?)
202 116	Hazardi Bland.		? <i>H. macilenta</i> Shutt.
	<i>Polygyra plicata</i> Say.	203 135	leporina Gould.
	<i>H. fatigiata</i> Binn.		<i>H. pustula</i> (var. <i>ß</i>) Pfr.
	<i>Texasiana</i> Pfr.	203 136	lgera Say.
	<i>Dorfeuilliana</i> Desh.		<i>Helicostyla Rafinesquea</i> Fer. ?
	<i>Troostiana</i> W. G. Binn.		<i>H. Rafinesquea</i> Pfr.
	<i>Helicina plicata</i> De Kay.		<i>Wardiana</i> Lea.
202 117	Hindsi Pfr.	203 137	limatula Ward in Binn.
202 118	hippocreps Pfr.	203 138	lineata Say.
202 119	hirsuta Say.		<i>Helicella lineata</i> Fer.
	<i>H. fraterna</i> Wood.		<i>Planorbis parallelus</i> Say ?
	<i>sinuata</i> y Gmelin.	203 139	major Binn.
	<i>isognomostomus</i> y Gmelin.		<i>H. albolabris</i> Pfr.
	<i>Helicodonta hirsuta</i> Fer.		<i>Helicogena albolabris</i> y Fer.
	<i>Tridopsis hirsuta</i> Woodw.	203 140	microdonta Desh. in Fer.
	<i>Stenostoma convexa</i> Raf.		<i>H. plana</i> Dunker.
	<i>H. porcina</i> (junior?) Say.	203 141	minuscula Binn.
202 120	hispida Linn.		<i>H. minutalis</i> Mor., nec Fer.
202 121	Hopetonensis Shutt.		apex Rve.
	<i>H. tridentata</i> Binn.		<i>Lavelleana</i> Orb. in textu.
202 122	hortensis Mull.		<i>Mauriniana</i> Orb. in tab.
	<i>H. nemoralis</i> Stimp.	203 142	minutissima Lea.
	<i>subglobosa</i> Binn.	203 143	Mitchelliana Lea.
202 123	hydropilla Ingalls.		<i>H. clausa</i> Binn.
	<i>H. lucida</i> Drap.		<i>Mitchella</i> Kirt. ?
202 124	incrustata Poey.	203 144	monodon Rack.
	<i>H. saxicola</i> Binn.		<i>H. convexa</i> Chemn.
202 125	indentata Say.		<i>Helicodonta hirsuta</i> a Fer.
	var. <i>umbilicata</i> .		var. 1. H. fraterna Say.
202 126	inflecta Say.		<i>H. monodon</i> ex parte De Kay.
	<i>Xolotrema clausa</i> Raf.		<i>convexa</i> Chemn.
	<i>Helicodonta clausa</i> Fer.		var. 2. H. Leali Ward.
	<i>H. clausa</i> Desh.		<i>H. monodon</i> y Pfr.
	<i>porcina</i> (junior?) Say.	203 145	Mooreana W. G. Binn.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
203 146	<i>Helix mordax</i> Shutt.		<i>H. alliaria</i> Forbes.
203 147	<i>multidentata</i> Binn.		<i>nitida</i> Fab.
203 148	<i>multilineata</i> Say.	205 165	<i>Helix stenotrema</i> Fer.
	<i>Helicogena multilineata</i> Fer.		<i>H. hirsuta</i> (var. <i>g</i>) Pfr.
	var. <i>albina</i> .	205 166	<i>striatella</i> Anth.
	var. <i>rufa</i> , <i>unicolor</i> .		<i>H. patula</i> (junior?) Pfr.
204 149	<i>obstricta</i> Say.		<i>runderata</i> Ad., nec Studer.
	<i>H. palliata</i> (var. <i>a</i>) Say.	205 167	<i>subplana</i> Binn.
	<i>appressa</i> (var.) Desh.	205 168	<i>suppressa</i> Say.
	<i>Helicodonta denotata</i> (var.)		<i>H. gularis</i> (var. <i>g</i>) Pfr.
	<i>Carocolla helicoides</i> Lea. [Fer.	205 169	<i>tenuistriata</i> Binn.
204 150	<i>Ottonis</i> Pfr.		<i>H. vortex</i> Gould, nec Pfr.
	<i>H. arborea</i> Pfr.	205 170	<i>Texasiana</i> Mor.
204 151	<i>palliata</i> Say.		<i>H. auriculata</i> Binn.
	<i>Helicodonta denotata</i> Fer.		<i>fatigiata</i> Fer.
	<i>H. denotata</i> Desh. in Lam.		var. <i>H. triodonta</i> Jan?
	<i>notata</i> Desh.		(<i>H. Texasiana</i> Fer.)
	var. <i>Carolinensis</i> .	205 171	<i>tholus</i> W. G. Binn.
	<i>H. Carolinensis</i> Lea.	205 172	<i>thyroides</i> Say.
	<i>palliata</i> (var. <i>c</i>) De Kay.		<i>H. thyroidus</i> Say.
204 152	<i>Pennsylvanica</i> Green.		<i>Helicodonta thyroidus</i> Fer.
	<i>H. Mitchelliana</i> Desh. in Fer.,		<i>H. thyroides</i> Chemn.
204 153	<i>perspectiva</i> Say. (nec Lea.		<i>Anchistoma thyroides</i> Ad.,
	<i>Helicella perspectiva</i> Fer.	205 173	<i>tridentata</i> Say.
	<i>H. patula</i> Desh.		<i>Helicodonta tridentata</i> Fer.
204 154	<i>profunda</i> Say.		<i>Triodopsis lunula</i> Raf.
	<i>Helicella Richardi</i> Fer.	205 174	<i>Troostiana</i> (Polygyra) Lea.
	<i>H. Richardi</i> Lam.		<i>H. Troostiana</i> Pfr.
	<i>Polygyra profundum</i> Ad. Gen.		<i>fatigiata</i> Binn.
	var. <i>unicolor</i> .		var. <i>plicata</i> Binn.
	var. <i>albina</i> .		<i>plicata</i> Shutt., nec Say.
204 155	<i>pulchella</i> Müll.	205 175	<i>uvulifera</i> Shutt.
	<i>H. minuta</i> Say.		<i>H. florulifera</i> Rve.
	var. <i>costata</i> , <i>H. costata</i> Müll.		<i>auriculata minor</i> Fer.?
204 156	<i>pustula</i> (<i>Helicodonta</i>) Fer.	205 176	<i>varians</i> Menke.
	<i>H. pustula</i> Pfr.		<i>H. carnicolor</i> Pfr.
	<i>fatigiata</i> Binn.		<i>picana</i> Mart. et Chemn.
	<i>leporina</i> W. G. Binn.		<i>submeris</i> Migh.
204 157	<i>pustuloides</i> Bld.		<i>rhodocheila</i> Binn.
	<i>H. pustula</i> Binn., non Fer.		<i>polychroa</i> Binn.
204 158	<i>Roemeri</i> Pfr.		<i>Helicella carnicolor</i> Fer.
	<i>H. dentifera</i> Pfr.		<i>Hemitrochus hæmastomus</i> Sowb.
204 159	<i>Rugell</i> Shutt.		var. <i>g</i> . <i>H. apicina</i> Menke.
205 160	<i>Sayii</i> Binn.	206 177	<i>ventrosula</i> Pfr.
	<i>H. diodonta</i> Say.		var. <i>depressa</i> .
205 161	<i>sculptilis</i> Bld.	206 178	<i>volvaxis</i> Pfr.
205 162	<i>solitaria</i> Say.		<i>Polygyra septemvolva</i> Beck?
	var. <i>minor</i> .	206 179	<i>vortex</i> Pfr.
205 163	<i>spinosa</i> (<i>Carocolla</i>) Lea.		<i>H. selenina</i> Gould.
	<i>H. spinosa</i> Binn. (excl. <i>H.</i>	206 180	<i>vultuosa</i> Gould.
	<i>Edgariana</i> .) [Mörch.		
205 164	<i>Steenstrupi</i> (<i>Helicella</i>)		SPECIES EXCLUDED.
	<i>Helicella</i> (n. s.) Steens.	206	<i>Helix arbustorum</i> Linn.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
206	<i>Helix Bonplandi</i> Lam.	206 194	Bulimus serperastrus Say.
206	<i>harpa</i> Say = Bulimus .	206 195	subula Pfr.
206	<i>dealbata</i> Say = Bul. dealbatus .		<i>B. procerus</i> Adams.
206	<i>depicta</i> Grat.		<i>octonoides</i> Orb.
206	<i>domestica</i> Ström. = Vitrina angelicæ . [Beck?		<i>hortensis</i> Ad.?
206	<i>hieroglyphica</i> (<i>Euryomphala</i>)	206 196	<i>Achatina subula</i> Pfr.
206	<i>irrorata</i> Say = H. lactea .		zebra (<i>Buccinum</i>) Müll.
206	<i>nemoralis</i> Linn.?		<i>Zebra Mulleri</i> Mart. et Chemn.
206	<i>pellucida</i> Fabr. = Vitrina angelicæ .		<i>Bulla zebra</i> Gmelin.
206	<i>Pisana</i> Müll.?		<i>B. undatus</i> Brug.
206	<i>subcylindrica</i> Pult. = Truncatella .		<i>Cochlostyla undata</i> Fer. [Fer.
206	<i>Trumbulli</i> Lins. = Skenia serpuloides Mont.		<i>Achatina flammigera</i> Say, nec <i>zebra</i> Pfr.
206	<i>virgata</i> Mont.?		<i>Agatina fuscata</i> Raf.
206 181	Bulimus acicula (<i>Buccinum</i>)		<i>Orthaliscus undatus</i> Shutt.
206 182	alternatus Say. [Müll.		var. γ . B. princeps Brod.
	<i>B. lactarius</i> Pfr.		<i>Cochlostyla princeps</i> Orb.
	<i>dealbatus</i> Binn.	207	SPECIES EXCLUDED.
206 183	Binneyanus Pfr. in litt.		<i>Bulimus exiguus</i> Binn. = Caryobolus .
	<i>B. dealbatus</i> Binn.	207	<i>fasciatus</i> Binn. = Achatina .
	<i>Schiedeanus</i> Gould.	207	<i>Gossei</i> Pfr. vide Macroceramus pontificus .
206 184	dealbatus (<i>Helix</i>) Say.	207	<i>Kieneri</i> Pfr. vide Macroceramus pontificus .
	<i>B. dealbatus</i> Pot. et Mich.	207	<i>lubricus</i> Adams = Achatina .
	<i>confinis</i> Rve.	207	<i>obscurus</i> Dr. vide <i>Pupa placida</i> Say.
	<i>liquabilis</i> Rve.	207	<i>striatus</i> Brug. = Glandina truncata .
206 185	decollatus (<i>Helix</i>) Linn.	207	<i>verillum</i> Brug. = Achatina fasciata .
	<i>B. mutilatus</i> Say.	207	<i>zebra</i> Orb. = Ach. fasciata .
206 186	Dormanii W. G. Binn.	207 197	Macroceramus pontificus (<i>Cylindrella</i>) Gould.
206 187	Floridianus Pfr.		<i>Pupa uncarinata</i> Binn. [Müll.
206 188	gracillimus Pfr.	207 198	Achatina fasciata (<i>Buccinum</i>)
	<i>Achatina gracillima</i> Pfr.		<i>Bulla fasciata</i> Mart. et Chemn.
	<i>B. striaticostatus</i> Orb.		<i>Bulimus verillum</i> Brug., nec De Kay.
206 189	harpa (<i>Helix</i>) Say.		<i>Cochlitoma verillum</i> Fer.
	<i>B. harpa</i> Pfr.		<i>A. verillum</i> Lam.
	<i>Pupa costulata</i> Migh.		<i>fasciata</i> Swain.
206 190	marginatus (<i>Cyclostoma</i>) Say.		<i>lineata</i> Valen.
	<i>B. marginatus</i> Pfr.		<i>Bulimus fasciatus</i> Binn.
	<i>fallax</i> Gould.		<i>Agatina variegata</i> Raf.
	<i>Pupa fallax</i> Say.		junior <i>A. murrea</i> Rve.
	<i>albilabris</i> Adams.		var. δ . A. pallida Swain.
206 191	multilineatus Say.		<i>Cochlitoma verillum</i> (var.) Fer.
	<i>B. virgulatus</i> Binn.		var. γ . A. crenata Swain.
	<i>Menkei</i> Gruner.		
	<i>venosus</i> Rve.?		
206 192	octona Ch.		
206 193	Schiedeanus Pfr.		
	var. δ . <i>fauce nigra</i> .		
	var. γ . <i>apice nigra</i> .		

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
	<i>A. anais</i> Less.	208 207	Pupa armifera (<i>Carychium</i> ?)
	<i>fusciata</i> (var.) Rve.		<i>P. armifera</i> Gould. [Say.
	<i>Bulinus zebra</i> Orb.		<i>armigera</i> Pot. et Mich.
	var. ζ . <i>A. solida</i> Say.		<i>rupicola</i> Pfr.
207 199	Achatina lubrica (<i>Helix</i>) Müll.	208 208	badia Adams.
	<i>A. lubrica</i> Pfr.		<i>P. muscorum</i> Linn.
	<i>Bulinus lubricus</i> Adams.	208 209	contracta (<i>Carychium</i>) Say.
	<i>lubricoides</i> Stimps.		<i>P. contracta</i> Gould.
207 200	picta Rve.		<i>deltostoma</i> Charp. in Chem.
	<i>Bulinus fasciatus</i> (var.) Blinn.		<i>corticaria</i> Pfr.
	SPECIES EXCLUDED.		<i>Vertigo contracta</i> Ad. Gen.
207	<i>Achatina bullata</i> Pfr. = Glandina	208 210	corticaria Say.
207	<i>flammigera</i> Say = Bulinus ze-		<i>Odostomia corticaria</i> Say.
	bra.		<i>Carychium corticaria</i> Fer.
207	<i>gracillima</i> Pfr. = Bulinus gra-	208 211	decora Gould.
	cillimus.		<i>Vertigo decora</i> Ad. Gen.
207	<i>pellucida</i> Pfr. = Blauneria.	208 212	Hoppii Müll.
207	<i>rosea</i> Desh. = Gland. truncata.		<i>P. Steenbuckii</i> Beck.
207	<i>striata</i> De Kay = Gl. truncata?	208 213	incana Binn.
207	<i>subula</i> Pfr. = Bulinus.		<i>P. detrita</i> Shutt.
207	<i>Texasiana</i> Pfr. = Glandina.		<i>maritima</i> y Pfr., Gould.
207	<i>truncata</i> Pfr. = Glandina.	208 214	var. fasciata.
207	<i>vexillum</i> De Kay, vide A. vir-	208 215	modica Gould.
	ginea.		pentodon (<i>Vertigo</i>) Say.
207	<i>Vanuxemensis</i> Pfr. = Glandina.		<i>P. pentodon</i> Gould.
207	<i>virginea</i> Linn. (<i>A. vexillum</i> De		<i>Tappaniana</i> Adams.
	Kay, nec Brug.)		<i>curvidens</i> Gould.
		208 216	placida Say.
207 201	Glandina bullata Gould.		<i>Bulinus marginatus</i> Say.
	<i>Achatina bullata</i> Pfr.		<i>obscurus</i> Müll.
	<i>Oleacina bullata</i> Gr. et Pfr.	208 217	rupicola (<i>Carychium</i>) Say.
207 202	corneola W. G. Binn.		<i>P. rupicola</i> Gould.
	<i>G. truncata</i> (var. ?) Binn.		<i>procera</i> Gould.
207 203	parallela W. G. Binn.		<i>carinata</i> Gould.
	<i>G. truncata</i> (var.) Binn.		<i>Vertigo rupicola</i> Binn.
207 204	Texasiana (<i>Achatina</i>) Pfr.		<i>minuta</i> Ad. Gen. ?
207 205	truncata (<i>Bulla</i>) Gmelin.		<i>P. gibbosa</i> Chemn. ?
	<i>Buccinum striatum</i> Mart. et	208 218	<i>minuta</i> Pfr.
	Chemn.		variolosa Gould.
	<i>Bulinus striatus</i> Brug.		SPECIES EXCLUDED.
	<i>Cochlicopa rosea</i> Fer.	208	Pupa albilabris Ad. = Bul. mar-
	<i>Achatina rosea</i> Desh.		ginatus.
	<i>striata</i> Desh.	208	<i>costulata</i> Migh. = Bul. harpa.
	<i>truncata</i> Orb.	208	<i>exigua</i> Say = Carychium.
	<i>G. truncata</i> Say.	208	<i>fallax</i> Say = Bul. marginatus.
	<i>Oleacina truncata</i> Gr. et Pfr.	208	<i>Gouldii</i> Binn. = Vertigo.
	<i>Polyphemus glans</i> Say.	208	<i>miliam</i> Gould = Vertigo.
	<i>Planorbis glans</i> De Kay.	208	<i>modesta</i> Say = Vertigo ovata.
208 206	Vanuxemensis Lea.	208	<i>ovata</i> Gould = Vertigo.
	<i>Achatina Vanuxemensis</i> Pfr.	208	<i>ovulum</i> Pfr. = Vertigo ovata.
	<i>Oleacina Vanuxemensis</i> Gr. et	208	<i>Parrainiana</i> Orb. = Bul. margi-
	Pfr.		natus.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
208	<i>Pupa simplex</i> Gould = <i>Vertigo</i> .	209 223	<i>Cylindrella Goldfussii</i> Menke.
208	<i>unicarinata</i> Binn. = <i>Macroceramus pontificus</i> .	209 224	<i>jejuna</i> Gould.
		209 225	<i>Poeyana</i> Orb.
			<i>C. lactaria</i> Binn.
208 219	<i>Vertigo Gouldii</i> Binn.	209 226	<i>Rœmeri</i> Pfr.
	<i>Pupa Gouldii</i> Binn.		SPECIES EXCULSA.
209 220	<i>millum</i> Gould.	209	<i>Cylindrella pontifica</i> Gould = <i>Macroceramus</i> .
	<i>Pupa millum</i> Gould.		Familia <i>Auriculacea</i> .
209 221	<i>ovata</i> Say.		Sub-familia <i>Melampea</i> .
	<i>Pupa ovata</i> Gould.		
	<i>modesta</i> Say.	209 227	<i>Melampus bidentatus</i> Say.
209 222	<i>simplex</i> Gould.		<i>M. bipticatus</i> Pfr.
	<i>Pupa simplex</i> Gould.		<i>corneus</i> Stimp.
			<i>Jaumei</i> Pfr.
	SPECIES EXCULSA.		<i>Auricula biplicata</i> Desh.
209	<i>Vertigo contracta</i> Ad. Gen. = <i>Pupa</i> .		<i>cornea</i> Desh.
209	<i>decora</i> Ad. Gen. = <i>Pupa</i> .		<i>bidentata</i> Gould.
209	<i>minuta</i> Ad. Gen., vide <i>Pupa rupentodon</i> Say = <i>Pupa</i> . [<i>picola</i> .		<i>non Auricula bidens</i> (Say) Pot.
209	<i>rupicola</i> Binn. = <i>Pupa</i> .		et Mich.
			<i>Auricula Jaumei</i> Mitre.
	E HELICIS EXCULSA.		var. <i>lineatus</i> Say.
209	<i>Aplodon</i> Raf.		<i>Melampus bidentatus</i> S Pfr.
209	<i>nodosum</i> Raf.		<i>Auricula bidentata</i> (var. a) De
209	<i>Chimotrema</i> Raf.	209 228	<i>cingulatus</i> Pfr. [Kay.
209	<i>planiuscula</i> Raf.		<i>Auricula cingulata</i> Pfr.
209	<i>Hemiloma</i> Raf.		<i>oliva</i> Orb.
209	<i>avara</i> Raf.		<i>stenostoma</i> Küst.
209	<i>Mesodon</i> Raf.	209 229	<i>coffea</i> (Voluta) Linn.
209	<i>maculatum</i> Raf.		<i>Bulla coffea</i> Linn.
209	<i>Mesomphix</i> Raf.		<i>Voluta minuta</i> Gmel. [tini?
209	<i>Odosphium</i> Raf.		<i>Auricula midæ parva</i> &c. Mar.
209	<i>Odostomia</i> Say = <i>Pupa</i> .		<i>Ellodium Barbodense</i> Boelten?
209	<i>corticaria</i> Say = <i>Pupa</i> .		<i>Bulinus conformis</i> Brug.
209	<i>Odotropis</i> Raf.		<i>M. conformis</i> Montf.
209	<i>Omphalina</i> Raf.		<i>fusca</i> Mörch.
209	<i>cuprea</i> Raf., vide <i>Helix</i> .		<i>coffea</i> Mörch.
209	<i>fuliginosa</i> .		<i>Melampa minuta</i> Pfr.
209	<i>Partula Otaheitanæ</i> Fer.		<i>Tornatella conforme</i> Blain.
209	<i>Stenostoma</i> Raf.		<i>Auricula conformis</i> Fer.
209	<i>Stenotrema</i> Raf.		<i>ovula</i> Orb.
209	<i>convexa</i> Raf.		<i>Conovulus conformis</i> Lam.
209	<i>Toxostoma</i> Raf.		<i>M. coffeus</i> Beck.
209	<i>globularis</i> Raf.		<i>coffea</i> Gray.
209	<i>Toxotrema</i> Raf.		<i>obliquus</i> Say?
209	<i>globularis</i> Raf.	210 230	<i>Floridianus</i> (Auricula) Shutt.
209	<i>complanata</i> Raf.		<i>M. Floridianus</i> Pfr.
209	<i>Triodopsis</i> Raf.	210 231	<i>obliquus</i> Say.
209	<i>Trophodon</i> Raf.		<i>Auricula obliqua</i> De Kay.
209	<i>Xolotrema</i> Raf.	210 232	<i>pusillus</i> (Voluta) Gmel.
209	<i>lunula</i> Raf.		<i>Auricula midæ parva</i> &c. Mart.
209	<i>triiodopsis</i> Raf.		et Chemn.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
	<i>Voluta triplicata</i> Don.		<i>Achatina pellucida</i> Gould.
	<i>Bulinus ovulus</i> Brug.		<i>Tornatellina Cubensis</i> Pfr.
	<i>Melampa ovulum</i> Schw.		<i>Odostomia ? Cubensis</i> Pory.
	<i>Conovula ovula</i> Fer.	210 235	Leuconia ? Sayii (<i>Auricula</i>)
	<i>Auricula nitens</i> Lam.		<i>L. ? Sayii</i> Pfr. [Küst.
	<i>pusilla</i> Desh.		<i>An Alexia myosotis ?</i>
	<i>leucodonta</i> Nuttall.	210 236	Carychium exiguum (<i>Pupa ?</i>)
	<i>Conovulus nitens</i> Voigt.		<i>C. exiguum</i> Pfr. [Sag.
	<i>pusillus</i> Anton.		<i>exile</i> H. C. Lea.
	<i>M. ovulum</i> Lowe.		<i>existellum</i> Bourg. ?
	<i>nitens</i> Shattl.		<i>euphæum</i> Bourg. ?
	<i>Pythia ovulum</i> Beck.		<i>Bulinus exiguus</i> Binn.
	<i>triplicata</i> Beck.		<i>Pupa exigua</i> Gould.
	<i>Tralia pusilla</i> Ad. Gen.		
	<i>ovulum</i> Mörch.		
	SPECIES EXCLUSA.	211	<i>Carichium ? armigera</i> Say = Pupa.
210	<i>Melampus borealis</i> Conr. = Alexia	211	<i>corticaria</i> Fer. = Pupa.
	myosotis.	211	<i>contracta</i> Say = Pupa.
210	<i>denticulatus</i> Stimp. = Alexia	211	<i>rupticola</i> Say = Pupa.
	myosotis.		
	Sub-familia Auriculea.		Familia Aciculacea.
	SPECIES EXCLUSA.	211 237	Truncatella bilabiata Pfr.
210	<i>Auricula bidentata</i> Gould = Mel-	211 238	Caribæensis Sowb.
	lampus.		<i>T. variabilis</i> Pfr.
210	<i>biplicata</i> Desh. = Melampus		<i>Gouldii</i> C. B. Ads.
	bidentatus.		<i>Geurinii</i> Parr.
210	<i>cingulata</i> Pfr. = Melampus.	211 239	<i>succinea</i> C. B. Ads.
210	<i>coniformis</i> Fer. = Mel. coffea.	211 240	pulchella Pfr.
210	<i>cornea</i> Desh. = Melampus bi-		subcylindrica Gray.
	dentatus.		<i>Helix subcylindrica</i> Pult.
210	<i>denticulata</i> Gould = Alexia my-		<i>T. truncatella</i> Lowe ?
	osotis.		<i>Caribæensis</i> Pfr.
210	<i>Floridianus</i> Shut. = Melampus.		Familia Cyclostomacea.
210	<i>Jaumei</i> Mitre = Melampus bi-		Sub familia Cistulea.
	dentatus.	211 241	Chondropoma dentatum (<i>Cy-</i>
210	<i>nitens</i> Lam. = Mel. pusillus.		<i>elostoma</i>) Say.
210	<i>obliqua</i> De Kay = Melampus.		<i>Cyclostoma dentatum</i> De Kay.
210	<i>oliva</i> Orb. = Mel. cingulatus.		<i>lineolatum</i> Anton.
210	<i>pusilla</i> Desh. = Melampus.		<i>Auberianum</i> Orb. ?
210	<i>Sayii</i> Küster = Leuconia.		<i>lunulatum</i> Mörch.
210	<i>stenostoma</i> Küster = Melampus		<i>crenulatum</i> Pfr.
	cingulatus.		<i>Chondropoma crenulatum</i> Pfr.
			<i>dentatum</i> Pfr.
210 233	Alexia myosotis (<i>Auricula</i>)		CYCLOSTOMACEA EXCLUSA.
	<i>A. myosotis</i> Pfr. [Drap.	211	<i>Cyclostoma Auberianum</i> Orb., vide
	<i>Auricula denticulata</i> Gould.		Chondropoma dentatum.
	<i>Melampus denticulatus</i> Stimp.	211	<i>Cincinnatiensis</i> Lea = Amnicola.
	<i>borealis</i> Conr.	211	<i>crenulatum</i> Pfr. = Chondropo-
210 234	Blauneria pellucida Pfr.	211	ma dentatum.
	<i>Achatina ? pellucida</i> Pfr.		

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
211	<i>Cyclostoma dentatum</i> Say = Chondropoma .	211 247	Helicina tropica Pfr. <i>H. ambeliana</i> Sowb., nec DeB. <i>orbiculata</i> Binn., nec Say.
211	<i>lapidaria</i> Say = Amnicola .		SPECIES EXCLUSA.
211	<i>lineolatum</i> Anton = Chondropoma dentatum .	211	<i>Helicina fastigiata</i> DeKay = Helix fatigiata Say.
211	<i>lunulatum</i> Mörch. = Chondropoma dentatum .	211	<i>plicata</i> De Kay = Helix Hazardi Bland.
211	<i>marginalis</i> Kirt. = Bul. marginalis .	211	<i>Oligyra</i> Say = Helicina .
211	<i>marginata</i> Say = Bulimus .	211	<i>orbiculata</i> Say = Helicina .
211	<i>tricarinata</i> Say = Valvata .		
	Familia Helicinacea.		IN ERREATA.
211 242	<i>Helicina chrysocheila</i> Binn.	41	Bulimus sufflatus Gould. <i>B. vesicalis</i> Gould.
211 243	<i>Hanleyana</i> Pfr.	48 ^a	Truncatella gracilentia Gould.
211 244	<i>occulta</i> Say.	84 ^a	Helix Berlanderiana Mor. <i>H. pachyloma</i> Mko. <i>virginalis</i> Pfr.?
211 245	<i>orbiculata</i> Say. <i>Oligyra orbiculata</i> Say. <i>H. vestita</i> (junior) Guild. <i>castanea</i> (junior) Guild.	86 ^a	<i>caduca</i> Pfr.
211 246	<i>subglobulosa</i> Pocy.	201	<i>dissidens</i> Desh. = concava .
1859.	Lea. —Descriptions of eight new species of Unionidæ from Georgia, Mississippi, and Texas: by ISAAC LEA.		
April.			
Page.	Name.	Locality.	
112	Unio spissus Lea.	Satilla river, Georgia.	
112	corvus Lea.	Buckhead creek, Georgia.	
112	Buckensis Lea.	Buckhead creek, Georgia.	
112	aureus Lea.	Texas.	
112	curtus Lea.	Tombigbee river, Mississippi.	
112	permiscens Lea.	Tombigbee river, Mississippi.	
113	Margaritana elliptica Lea.	Tombigbee river, Mississippi.	
113	Anodonta Texasensis Lea.	Texas.	
May.	Lea. —Descriptions of twenty-one new species of Exotic Unionidæ: by ISAAC LEA.		
151			
153	Unio persulcatus Lea.	Mexico.	
	Lea. —Descriptions of two new species of Uniones from Georgia: by ISAAC LEA.		
154	Unio fibuloides Lea.	Connasauga river, Georgia.	
154	compactus Lea.	Etowah river, Georgia.	
	Lea. —Descriptions of seven new species of Uniones from South Carolina, Florida, Alabama, and Texas: by ISAAC LEA.		
154	Unio cacao Lea.	Chacktabachie river, W. Fla.	
154	hepaticus Lea.	Salkakatche river, S. C.	
154	viridiradiatus Lea.	Big Uchee, Ala.; Columbus, Ga.	
154	macrodon Lea.	Rutersville, Texas.	



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1859. Page.	Name.	Locality.
155	Unio Houstonensis Lea.	Houston, Texas.
155	Rutersvillensis Lea.	Rutersville, Texas.
155	Forsheyi Lea.	Fayette County, Texas.
June.	Lea. —Descriptions of twelve new species of Uniones from Georgia: by ISAAC LEA.	
170	Unio Baldwinensis Lea.	Carter's creek, Georgia.
170	viridans Lea.	Columbus, Georgia.
170	Hallenbeckii Lea.	Columbus, Georgia.
170	salebrosus Lea.	Columbus, Georgia, &c.
171	modicellus Lea.	Connasauga and Chattanooga
171	latus Lea.	Savannah river. [rivers, Ga.]
171	verutus Lea.	Columbus, Ga. [Oama rivers.
171	Johannis Lea.	Connasauga, Etowah, and Ala-
171	Racensis Lea.	Columbus and Rae's cr., Ga.
171	inulsitatis Lea.	Swift creek, Macon, Ga.
171	Jonesii Lea.	Uharlee creek, Ga.
172	quadratus Lea.	Carter's & Factory creeks, Ga.
July.	Observations on the Geographical Distribution and Anatomy of Unio and—	
177	Anodonta Lewisii.	
177	unadilla De Kay = edentula Say.	
177	edentula.	
188	W. G. Binney. —Notes on American Land Shells, No. 5: by W. G. BINNEY. ¹	
Pa. No.	Name.	Pa. No. Name.
188 1	Arion foliolatus non <i>foliatus</i> .	188 <i>Philomycus dele nebulosus.</i>
188 12	Helix Californiensis Lea.	188 <i>adde oxyrus</i> Raf.
188 13 ^a	cultellata Thomson.	188 <i>quadrilus</i> Raf.
188 33 ^a	strigosa Gould.	188 <i>dele Oxyrus.</i>
188 33 ^b	Townsendiana Lea.	188 <i>quadrilus.</i>
188 33 ^c	tudiculata Binn.	
188 33 ^d	Vancouverensis Lea.	188 58 <i>adde Vitrina Americana</i> Chemn.
	<i>H. concava</i> Binn.	188 68 <i>Succinea Texasiana</i> Pfr.
	<i>vellicata</i> Forbes.	188 69 <i>obliqua</i> Pfr.
188 41	Bullimus sufflatus Gould. in litt.	188 82 <i>Helix auriculata</i> De Kay.
	<i>B. vesiculis</i> Gould.	188 83 <i>Stenotrema avara</i> Hart.
188 48 ^a	(In addenda) is syn. of 48.	188 84 ^a Helix Berlanderiana Mor.
188 49 ^a	Tebennophorus bilineatus	<i>H. pachyloma</i> Mke.
188 55 ^a	Limax lineatus De Kay. [Cart.	<i>virginalis</i> Pfr.
	LIMAX.—SPECIES EXCLUDED.	188 86 <i>bulbina</i> Pfr.
188	<i>Limax gracilis</i> Grat.	188 86 ^a <i>caduca</i> Pfr.
188	<i>Eumelus lividus</i> Grat.	188 97 <i>dentifera</i> Pfr.
188	<i>nebulosus</i> Grat.	188 104 <i>Tennesseensis</i> Tros.
188	<i>Philomycus dele lividus.</i>	188 130 <i>Mobiliana</i> Tros.
		188 133 <i>laevigata</i> Desh.

¹ The contributions to this department of American Conchology by this author have also been published in pamphlet form. Page 1 of the pamphlet corresponds to 1857, p. 19. Page 3 = 1857, p. 183. Page 15 = 1858, p. 114. Page 19 = 1858, p. 197. Page 35 = 1859, p. 188.

[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1859.	Name.	1859.	Name.
Pa. No.		Pa. No.	
188 139 ^a	<i>Helix maxillata</i> Gould.	188 229 ^a	<i>Melampus flavus</i> Gmel.
188 140 ^a	<i>millium</i> Morse.		<i>Auricula</i> Midz, &c., Mart. &
188 141	<i>apex</i> Adams.		<i>Voluta</i> Schr. [Chemn.]
188 144	dele <i>Helix monodon</i> (var. γ) Pfr.,		<i>flava</i> Gmel.
	legge <i>H. convexa</i> (var. γ) Pfr.		<i>flammea γ Gmel.</i>
188 158	<i>Helix dentifera</i> Pfr. in vol. iii, nec		<i>Bulimus monile</i> Brug.
188 170	<i>Tamaulipasensis</i> Lea. [vol. i.		<i>Melampus monile</i> Schw.
188 172	<i>thyroidus</i> Desh. in Fer.		<i>Conovulus monile</i> Goldf.
188 176	dele <i>Helix varians</i> Rve.		<i>flavus</i> Anton.
188 187 ^a	<i>Bullimus Gossel</i> Pfr.		<i>Auricula monile</i> Fer.
188 192 ^a	<i>patriarcha</i> W. G. Binn.		<i>flava</i> Desh. in Lam.
188 195	<i>hortensis</i> Adams!		<i>conformis</i> Orb.
188 213	<i>Pupa maritima</i> Gould (nec γ).		<i>Melampus monile</i> Lowe.
188 214 ^a	<i>pellucida</i> Pfr.		<i>torosa</i> Mörch.
188 217	<i>rupticola</i> Chemn.		<i>monilis</i> Shutt.
188 218	<i>Vertigo variolosa</i> Ad. Gen.	189 232 ^a	<i>Redfieldi</i> Pfr.
	E HELICES EXCLUSA.	189 245	<i>Helix vestita</i> Pfr.
188	<i>Tridopsis lunula</i> Raf.		
Oct.	Isaac Lea. —Note on—		
280	<i>Margaritana Etowahensis</i> Lea, preoc. = <i>M. Georgiana</i> Lea.		
Nov.			
329	Isaac Lea. —Notes on Anatomy of Unionidæ.		
Dec.	Carpenter. —Notice of Shells collected by Mr. J. Xantus at Cape St.		
331	LUCAS: by P. P. CARPENTER.		
	[Notes on geographical distribution, but no descriptions.—W. G. B.]		
332	<i>Oniscia tuberculata.</i>	332	<i>Oliva porphyria.</i>
332	<i>Cassia coarctata.</i>	332	<i>Columbella hæmastoma.</i>
332	<i>abbreviata.</i>	332	<i>Conus princeps.</i>
332	<i>Lathirus castaneus.</i>	332	<i>Haliotis splendens.</i>

Rafinesque.—Descriptions de onze genres nouveaux de Mollusques, publiées en 1814: par C. S. RAFINESQUE, Prof. de Bot. et d'Hist. Nat. dans l'Univ. de Lexington. (From Journal de Physique, tom. lxxxix, p. 146. August, 1819.)

Page.		Page.	
152	<i>Opiptera</i> Raf. (n. g.)	152	<i>Oxynoë olivacea</i> Raf.
152	<i>bicolor</i> Raf.	152	<i>Tylodina</i> Raf. (n. g.)
152	<i>Oxynoë</i> Raf. (n. g.)	153	<i>punctulata</i> Raf.

[The remainder are Annelides and Polyps.—W. G. B.]

The same translated into German. Isis, 1820, p. 244.

Rafinesque.—Précis des Découvertes Somnologiques ou Zoologiques et Botaniques de C. S. RAFINESQUE. Palerme, 1814.

[No localities are given. The species are probably foreign.—W. G. B.]

CLASS **MALACOSIA.** Les Mollusques.

Page.		Page.	
28	<i>Octopus frayedus Raf.</i>	29	<i>Loligo todurus Raf.</i>
28	<i>didynamus Raf.</i>	29	<i>Ozorna Aldrovandi Raf.</i>
28	<i>heteropus Raf.</i>	29	<i>Dictyethis fusca Raf.</i>
28	<i>ruber Raf.</i>	29	<i>Hypterus Raf. (n. g.)</i>
28	<i>tetradynamus Raf.</i>	29	<i>appendiculatus Raf.</i>
28	<i>moschatus Raf.</i>	29	<i>erythrogaster Raf.</i>
29	<i>albus Raf.</i>	29	<i>Stephylla Raf. (n. g.)</i>
29	<i>niger Raf.</i>	30	<i>pallida Raf.</i>
29	<i>maculatus Raf.</i>	30	<i>lutescens Raf.</i>
29	<i>Oxoenia moschata Raf.</i>	30	<i>fusca Raf.</i>
	<i>Octopus moschatus Lam.</i>	30	<i>Armina Raf. (n. g.)</i>
29	<i>Ocythoe Raf. (n. g.)</i>	30	<i>maculata Raf.</i>
29	<i>tuberculata Raf.</i>	30	<i>tigrina Raf.</i>
29	<i>Sepia mucronata Raf.</i>	30	<i>Sarcopterus Raf. (n. g.)</i>
29	<i>Loligo lanceolata Raf.</i>	30	<i>ruber Raf.</i>
29	<i>odagadium Raf.</i>		

Conrad.—Descriptions of new Fossil and Recent Shells of the United States: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. of Philad., n. s., vol. i, part iii, p. 207. Aug. 1849.)

Page.	Name.	Locality.
208	<i>Siliqua Floridana</i> Conr.	Edmont Key, Tampa Bay.
	<i>Solecurtus fragilis (var.)</i> Conr.	
208	<i>Lyonsia Floridana</i> Conr.	
	<i>Osteodesma hyalina</i> Conr.?	
208	<i>Cryptomya</i> Conr. (n. g.)	
208	<i>Sphenia Californica</i> Conr. = <i>Cryptomya Californica</i> .	
208	<i>Donax protracata</i> Conr. (p. 280, pl. xxxix, fig. 8).	St. Joseph's Bay, Fla.
209	<i>Venus intapurpurea</i> Conr. (p. 280, pl. xxxix, fig. 9).	Edmont Key, Tampa Bay.
209	<i>Pecten fuscopurpureus</i> Conr. (p. 280, pl. xxxix, fig. 10).	Mullet Key, Tampa Bay.

Conrad.—Notes on Shells, with Descriptions of new Genera and Species: by T. A. CONRAD. (From same as last, p. 210.)

Page.		Page.	
213	Petricola Californica <i>Conr.</i> <i>Saxicava Californica</i> <i>Conr.</i> <i>P. arcuata</i> <i>Desh.</i>	213	Siliqua lucida <i>Conr.</i> <i>Solecurtus lucidus</i> <i>Conr.</i> <i>radiatus</i> Gould, non Linn.
213	carditoides <i>Conr.</i> <i>Saxicava carditoides</i> <i>Conr.</i> <i>P. cylindracea</i> <i>Desh.</i>	213	Trigonella <i>Conr.</i> (n. g.)
213	Siliqua Nuttalli <i>Conr.</i> <i>Solecurtus Nuttalli</i> <i>Conr.</i> <i>maximus</i> Gould, non Wood.	213	crassatelloides <i>Conr.</i>
	<i>Solen splendens</i> <i>Chenu.</i>	214	Sanguinolaria Nuttalli <i>Conr.</i> <i>Psammobia decora</i> <i>Hinds.</i>
		214	Margaritaria <i>Conr.</i> (n. g.,
		214	Parapholas <i>Conr.</i> (n. g.) [fos.]
		214	Californica <i>Conr.</i>
		214	Janelli <i>Desh.</i>

Conrad.—Descriptions of new Fresh-water and Marine Shells: by T. A. CONRAD. (From same as last, part iv, p. 275. Jan. 1850.)

Page.	Plate.	Fig.	Name.	Locality.
275	xxxvii	1	Unio securiformis <i>Conr.</i>	Flint river, Ga.
275	xxxvii	2	stagnalis <i>Conr.</i>	Ogeechee riv., Ga.
275	xxxvii	3, 4	Ogeecheensis <i>Conr.</i>	Ogeechee riv., Ga.
275	xxxvii	5	rosaceus <i>Conr.</i>	Savannah river.
276	xxxvii	6	oratus <i>Conr.</i>	Flint river, Ga.
276	xxxvii	7	contrarius <i>Conr.</i>	Ogeechee riv., Ga.
276	xxxvii	8	nucleopsis <i>Conr.</i>	Etowah river, Ga.
276	xxxvii	9	limatulus <i>Conr.</i>	Savannah river.
276	xxxviii	2	perplicatus <i>Conr.</i> <i>U. atrocostatus</i> <i>Lea.</i>	Jackson, La.
277	xxxviii	4, 8	nodiferus <i>Conr.</i>	Jackson, La.
277	xxxviii	7	plectophorus <i>Conr.</i> <i>U. aratus.</i>	Flint river, Ga.
277	xxxviii	11	Mississippiensis <i>Conr.</i>	Lower Mississippi.
277	xxxviii	1	Melania subilirata <i>Conr.</i>	Savannah river.
278	xxxviii	3	oculatura <i>Conr.</i>	Savannah river.
278	xxxviii	5	symmetrica <i>Conr.</i>	Savannah river.
278	xxxviii	6	perangulata <i>Conr.</i>	Savannah river.
278	xxxviii	9	nebulosa <i>Conr.</i>	Savannah river.
278	xxxviii	10	percarinata <i>Conr.</i>	Savannah river.

[Here follow descriptions of marine shells from Lower California and Peru. The particular locality not being given, they are all quoted among the foreign species.—W. G. B.]

Conrad.—Descriptions of new Species of Unio: by T. A. CONRAD. (From same as last, vol. ii, part iv. February, 1854.)

Page.	Plate.	Fig.	Name.	Locality.
295	xxvi	1	<i>Unio Aberti</i> Conr.	Chambers' ford, Verdigris river, Ark.
			<i>U. Lamarckianus</i> Lea.	
296	xxvi	5	<i>hebetatus</i> Conr.	Missouri.
296			<i>rivularis</i> Conr. (<i>Uniomorus</i>),	
			<i>U. declivis</i> Conr., non Say.	
296	xxvi	7	<i>porrectus</i> Conr.	Jackson, Miss.
			<i>U. parallelus</i> Conr. (preoc.)	
297	xxvi	8	<i>arquatus</i> Conr.	Wabash river.
297	xxvii	1	<i>subcrocus</i> Conr.	Trib. of Canadian riv., Ark.
297	xxvii	2, 3	<i>nobilis</i> Conr.	Bayou Teche.
297	xxvii	4	<i>pectitus</i> Conr.	Wabash river.
298	xxvii	5	<i>altus</i> Conr.	Tennessee?
298	xxvii	6	<i>velatus</i> Conr.	River St. Fois.

Conrad.—Synopsis of the Genera *Parapholas* and *Penitella*: by T. A. CONRAD. (From same as last, p. 335. No descriptions.)

Page.		Page.	
335	<i>Parapholas Californica</i> Conr.	335	<i>Penitella tubifera</i> Val.
	<i>Pholas Californica</i> Conr.	335	<i>xylophaga</i> Val.
	<i>Janelli</i> Desh.	335	<i>melanura</i> .
335	<i>Penitella Conradi</i> Val.		<i>Pholas melanura</i> Sowb.
	<i>Pholas penita</i> Conr.		<i>Penitella Wilsoni</i> Conr.
	<i>concammerata</i> Desh.		[not <i>Parapholas bisulcata</i> .]

Adams.—Description of a Species of *Haliotis* supposed to be new: by C. B. ADAMS. (From Silliman's Amer. Journ. Sci., n. s., vol. vi, p. 138. July, 1848.)

Page.	
138	<i>Haliotis ponderosa</i> Adams.

Anonymous.—Conchology. (From the Naturalist, edited by D. J. Browne, vol. ii. Boston, 1832. With a plate.)

Page.	Date.	Title of article.
65	March, 1832.	
68-73	March, 1832.	Explanation of the Parts of Shells.

Page.	Date.	Title of article.
101-104	April, 1832.	On the Constituent Parts of Shells.
137-146	May, 1832.	On the Formation of Shells.
165-175	June, 1832.	On the Colors of Shells.
202-207	July, 1832.	On the Formation of the Umbilicus, Protuberances, &c.
235-238	Aug. 1832.	On the Production of Pearls.
271-275	Sept. 1832.	On the Habitation of Testaceous Animals.
303-306	Oct. 1832.	On the Methods of Fishing and Collecting Shells.
341-348	Nov. 1832.	On the Methods of Polishing Shells.

Cooper.—List of Shells collected by Mr. Schoolcraft in the Western and Northwestern Territory: by WILLIAM COOPER. (In Appendix to Narrative of an Expedition through the Upper Missouri to Itasca Lake, &c., under the direction of Henry B. Schoolcraft, p. 153. New York, 1834.)

Page.	Name.	Locality.
153	<i>Helix albolabris</i> Say.	Lake Michigan.
153	<i>alternata</i> Say.	Wabash river.
153	<i>Planorbis campanulatus</i> Say.	Itasca Lake.
153	<i>trivolvus</i> Say.	Lake Michigan.
153	<i>Lymneus umbrosus</i> Say.	Lake Winnipeg, &c.
154	<i>reflexus</i> Say.	Rainy Lake, &c.
154	<i>stagnalis</i> .	Lake a la Crosse.
154	<i>Paludina ponderosa</i> Say.	Wisconsin river.
154	<i>vivipara</i> Say.	
154	<i>Melania Virginica</i> Say.	Lake Michigan.
154	<i>Anodonta cataracta</i> Say.	Chicago.
154	<i>corpulenta</i> Cooper (description).	Upper Missouri river.
154	<i>Alasmodonta complanata</i> Barnes.	Shell Lake, &c.
154	<i>rugosa</i> Barnes.	St. Croix, &c.
155	<i>marginata</i> Say.	Lake Vaseux, &c.
155	<i>edentula</i> Say?	Lake Vaseux, &c.
155	<i>areolata</i> Sw.?	Lake Vaseux, &c.
155	<i>Unio tuberculatus</i> Barnes.	Painted Rock.
155	<i>pustulatus</i> Lea.	Upper Missouri river.
155	<i>verrucosus</i> Barnes.	St. Croix river, &c.
155	<i>plicatus</i> Lesueur.	Prairie du Chien, &c.
155	<i>trigonus</i> Lea.	Prairie du Chien, &c.
155	<i>ebenus</i> Lea.	Upper Missouri river.
155	<i>gibbosus</i> Barnes.	St. Croix river.
155	<i>rectus</i> Lam.	Upper Missouri river.
	<i>U. praelongus</i> Barnes.	

Page.	Name.	Locality.
155	<i>Unio siliquoides</i> Barnes.	Upper Missouri river.
155	<i>inflatus</i> Barnes.	Upper Missouri river.
155	<i>complanatus</i> Lea.	Lake Vasenz.
	<i>U. purpureus</i> Say.	
155	<i>crassus</i> Say.	Upper Missouri river.
155	<i>radiatus</i> Barnes.	Lake Vasenz.
155	<i>occidens</i> Lea.	Wisconsin river, &c.
	<i>U. ventricosus</i> Say.	
156	<i>ventricosus</i> Barnes.	Upper Missouri river.
156	<i>alatus</i> Say.	Upper Missouri river.
	<i>Symphynota alata</i> Lea.	
156	<i>gracilis</i> Barnes.	Upper Missouri river.
	<i>Symphynota gracilis</i> Lea.	

Tufts.—A List of Shells collected at Swampscot, Lynn, and vicinity: by SAMUEL TUFTS, Jr. (From Proceedings of Essex Institute, vol. i, p. 25. Salem, Mass., 1856.)

[No descriptions are given, but notes on locality, &c.—W. G. B.]

Page.		Page.	
26	<i>Teredo dilatata</i> St.	27	<i>Petricola pholadiformis</i> .
26	<i>Pholas crispata</i> .	27	<i>Sanguinolaria fusca</i> .
26	<i>costata</i> ?	27	<i>sordida</i> .
26	<i>Solen ensis</i> .	27	<i>Tellina tenera</i> .
26	<i>Machæra costata</i> .	27	<i>tenta</i> .
26	<i>Solemya velum</i> .	27	<i>Lucina radula</i> .
26	<i>borealis</i> .	27	<i>flexuosa</i> .
26	<i>Glycymeris siliqua</i> .	27	<i>Cyclas partumeia</i> .
26	<i>Mya arenaria</i> .	27	——?
26	<i>truncata</i> .	27	<i>Astarte castanea</i> .
26	<i>Corbula contracta</i> ?	27	<i>sulcata</i> .
26	<i>Pandora trilineata</i> .	27	<i>quadrans</i> .
26	<i>Osteodesma hyalina</i> .	27	<i>Cyprina Islandica</i> .
26	<i>Anatina papyracea</i> .	27	<i>Cytherea convexa</i> .
26	<i>Cochlodesma Leana</i> .	27	<i>Venus mercenaria</i> .
26	<i>Thracia Conradi</i> .	27	<i>gemma</i> .
26	<i>Couthouyi</i> St.	27	<i>Cardium pinnulatum</i> .
26	<i>truncata</i> .	27	<i>Islandicum</i> .
27	<i>Macra solidissima</i> .	28	<i>Grœnlandicum</i> .
27	<i>ovalis</i> .	28	<i>Cardita borealis</i> .
27	<i>Mesodesma arcata</i> .	28	<i>Nucula thracisformis</i> .
27	<i>Kellia rubra</i> .	28	<i>limatula</i> .
27	<i>Saxicava distorta</i> .	28	<i>minuta</i> .

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28	<i>Nucula myalis.</i>
28	<i>sapotilla.</i>
28	<i>proxima.</i>
28	<i>tenuis.</i>
28	<i>Unio complanatus.</i>
28	<i>Anodon fluviatilis.</i>
28	<i>Mytilus edulis.</i>
28	var. <i>pellucidus.</i>
28	<i>Modiola modiolus.</i>
28	<i>plicatula.</i>
28	<i>discrepans.</i>
28	<i>nexa.</i>
28	<i>discors.</i>
28	<i>glandula.</i>
28	<i>Ostrea</i> ———.
28	<i>Anomia ephippium.</i>
28	<i>Terebratula caputserpentis.</i>
28	<i>Chiton marmoreus.</i>
28	<i>fulminatus.</i>
28	<i>ruber.</i>
28	<i>albus.</i>
28	<i>Emersonianus.</i>
28	<i>Lottia testudinalis.</i>
29	<i>alveus.</i>
29	<i>Dentalium dentale.</i>
29	<i>Cemoria Noachina.</i>
29	<i>Crepidula fornicata.</i>
29	<i>plana.</i>
29	<i>convexa.</i>
29	<i>glauca.</i>
29	<i>Bulla insculpta.</i>
29	<i>triticea.</i>
29	<i>puncto-striata.</i>
29	<i>canaliculata.</i>
29	<i>Gouldii.</i>
29	<i>debilis.</i>
29	<i>lineolata.</i>
29	<i>obstricta.</i>
29	<i>Helix albolabris.</i>
29	<i>alternata.</i>
29	<i>arborea.</i>
29	<i>indentata.</i>
29	<i>lineata.</i>
29	<i>labyrinthica.</i>
29	<i>minuscula.</i>

Page.

29	<i>Helix pulchella.</i>
29	<i>striatella.</i>
29	——— ?
29	<i>Bulinus lubricus.</i>
29	<i>Succinea campestris.</i>
30	<i>Auricula bidentata.</i>
30	<i>Planorbis lentus.</i>
30	<i>bicarinatus.</i>
30	<i>armigerus.</i>
30	<i>hirsutus.</i>
30	<i>Physa heterostrophæ.</i>
30	<i>ancillaria.</i>
30	<i>elongata.</i>
30	<i>Limnæa columella.</i>
30	<i>macrostoma.</i>
30	<i>umbilicata.</i>
30	<i>elodes.</i>
30	<i>Ancylus fuscus.</i>
30	<i>Valvata pupoidea.</i>
30	<i>Paludina decisa.</i>
30	<i>Natica heros.</i>
30	<i>triseriata.</i>
30	<i>immaculata.</i>
30	<i>canaliculata.</i>
30	<i>duplicata.</i>
30	<i>pusilla.</i>
30	<i>clausa.</i>
30	<i>Velutina lævigata.</i>
30	<i>zonata.</i>
30	<i>Sigaretus halliotoideus.</i>
30	<i>Scalaria Groenlandica.</i>
31	<i>Margarita cinerea.</i>
31	<i>obscura.</i>
31	<i>undulata.</i>
31	<i>arctica.</i>
31	<i>argentata.</i>
31	<i>Littorina rudis.</i>
31	<i>tenebrosa.</i>
31	<i>palliatæ.</i>
31	<i>Lacuna neritoidea.</i>
31	<i>vincta.</i>
31	var. <i>fusca.</i>
31	<i>Cingula minuta.</i>
31	<i>aculeus.</i>
31	<i>Turritella erosa.</i>

Page.		Page.	
31	<i>Turritella acicula.</i>	32	<i>Purpura lapillus.</i>
31	<i>Pyramis striatula.</i>	32	<i>Trichotropis borealis.</i>
31	<i>Odostomia exigua.</i>	32	<i>Buccinum pilcosum.</i>
31	<i>Pleurotoma decussata.</i>	32	<i>undatum.</i>
32	<i>Cancellaria Couthouyi.</i>	32	<i>obsoletum.</i>
32	<i>Fusus Islandicus.</i>	32	<i>trivittatum.</i>
32	<i>decemcostatus.</i>	32	<i>rosaceum.</i>
32	<i>Bamffius.</i>	32	<i>lunatum.</i>
32	<i>rufus.</i>	32	<i>Xylophaga cuneiformis.</i>
32	<i>harpularius.</i>	32	<i>Helix hortensis.</i>
32	<i>pygmaeus.</i>	32	<i>Turritella interrupta.</i>
32	<i>Rostellaria occidentalis.</i>		

Gould.—Catalogue of Shells collected in California by W. P. Blake, with descriptions of the new species: by AUGUSTUS A. GOULD, M. D. (From Appendix to the Preliminary Geological Report of William P. Blake, Geologist of the Survey in California under the command of Lieut. R. S. Williamson. Washington, 1855.)

[Though referred to House Document 129, I cannot find it in the Congressional Reports. It seems to have been published separately in this octavo form. It occurred subsequently in quarto, with plates, in the Pacific Railroad Report, vol. v, q. v.—W. G. B.]

No descriptions are given of the following:—

Page.	Name.	Locality.
22	<i>Ostrea</i> ———.	San Diego.
22	<i>Pecten latiauratus</i> Conrad.	San Diego.
22	<i>Pecten</i> ———.	San Diego.
22	<i>Mytilus edulis.</i>	San Francisco.
22	<i>Modiola capax</i> Conrad.	San Diego.
22	<i>Venus Nuttallii</i> Conrad.	San Pedro.
22	<i>fluotifraga</i> Sowerby.	San Diego.
22	<i>Tapes grata</i> Say.	San Pedro.
	<i>T. discors</i> Sowerby.	
	<i>straminea</i> Conrad.	
22	<i>gracilis</i> Gould.	San Pedro.
22	<i>Cyolas</i> ———.	Colorado Desert.
22	<i>Cardium oruentatum</i> Gould.	San Diego.
22	<i>Lucina orbella</i> Gould.	San Pedro.
22	<i>Nuttallii</i> Conrad.	San Pedro.
22	<i>Mesodesma rubrotincta?</i> Sowerby.	San Pedro.

Page.	Name.	Locality.
22	<i>Tellina vicina</i> Adams.	San Diego.
22	<i>secta</i> Conrad.	San Pedro.
22	<i>Sphenia Californica</i> Conrad.	San Diego.
22	<i>Petricola cylindracea</i> Desh.	Monterey, San Pedro.
	<i>P. carditoides</i> Conrad.	
22	<i>Solecurtus Californiensis</i> Conrad.	San Diego.
22	<i>Gnathodon Lecontei</i> Conrad.	Colorado Desert.
22	<i>Lottia scabra</i> Gould.	San Francisco.
22	<i>patina</i> Esch.	San Pedro.
22	<i>mitra</i> Brod.	San Pedro.
22	<i>Calyptra hispida</i> Brod.	San Pedro, San Diego.
22	<i>Crepidula incurva</i> Brod.	San Pedro.
22	<i>Bulla nebulosa</i> Gould.	San Diego.
22	(<i>Haminea</i>) <i>virescens</i> Sowerby.	San Diego.
22	<i>vesicula</i> Gould.	San Diego.
22	(<i>Tornatina</i>) <i>inculta</i> Gould.	San Diego.
22	<i>Trochus mceatus</i> Jonas.	San Diego.
22	<i>Phasianella compta</i> Gould.	San Diego.
22	<i>Littorina</i> ———.	
22	<i>Melampus</i> ———.	San Diego.
22	<i>Oliva biplicata</i> .	San Pedro.
22	<i>Potamis pullatus</i> Gould.	San Diego.
22	<i>Amnicola protea</i> Gould.	Colorado Desert.
22	<i>longinqua</i> Gould.	Colorado Desert.
22	<i>Planorbis ammon</i> Gould.	Color. Des., Ocoya cr.
22	<i>Physa humerosa</i> Gould.	Colorado Desert.
22	<i>Succinea</i> ———.	Ocoya creek.

Descriptions are given of the following:—

23	<i>Physa humerosa</i> Gould.	Color. Des., Pecos riv.
23	<i>Planorbis ammon</i> Gould.	Colorado Desert.
24	<i>Amnicola protea</i> Gould.	Colorado Desert.
24	<i>longinqua</i> Gould.	Colorado Desert.
25	<i>Potamis pullatus</i> Gould.	San Diego.
25	<i>Phasianella compta</i> Gould.	San Diego.
26	<i>Bulla</i> (<i>Tornatina</i>) <i>inculta</i> Gould.	San Diego.
26	(<i>Haminea</i>) <i>vesicula</i> Gould.	San Diego.
26	<i>Cardium cruentatum</i> Gould.	San Pedro.
27	<i>Tapes gracilis</i> Gould.	San Pedro.
27	<i>Mytilus edulis</i> ?	San Francisco.
28	<i>Ostrea</i> ———.	San Diego.
28		San Diego.
28	<i>Pecten</i> ———.	San Diego.

Gould.—Catalogue of the Recent Shells, with descriptions of the new species: by AUGUSTUS A. GOULD, M. D. (From the Reports of Explorations and Surveys to ascertain the most practicable and economical Route for a Railroad from the Mississippi River to the Pacific Ocean, &c., by Lieut. R. S. Williamson, Top. Eng., vol. v. 33d Congress, 2d Session, Senate Ex. Doc., No. 78, vol. xiii, pt. v. 4to. Washington, 1856. The general title-page of the Report bears the date of 1853, that of Part II, of which this paper forms an Appendix, bears the date of 1857. Like all the Pacific Railroad Reports, it forms a portion also of the House Documents.)

No descriptions are given of the following:—

Page.	Name.	Locality.
330	<i>Ostrea</i> ———.	San Diego.
330	<i>Peeten monotimeris</i> Conrad.	San Diego.
330	<i>ventricosus</i> Sowerby.	San Diego.
	<i>P. tumidus</i> Sowerby.	
330	<i>Mytilus edulis</i> .	San Francisco.
330	<i>Modiola capax</i> Conrad.	San Diego.
330	<i>Venus Nuttallii</i> Conrad.	San Pedro.
330	<i>fluctifraga</i> Sowerby.	San Diego.
330	<i>Tapes grata</i> Say.	San Pedro.
	<i>T. discors</i> Sowerby.	
	<i>straminea</i> Conrad.	
330	<i>gracilis</i> Gould.	San Pedro.
330	<i>Cyclas</i> ———?	Colorado Desert.
330	<i>Cardium cruentatum</i> Gould.	San Diego.
330	<i>Lucina orbella</i> Gould.	San Pedro.
330	<i>Nuttallii</i> Conrad.	San Pedro.
330	<i>Mesodesma rubrotincta</i> ? Sowerby.	San Pedro.
330	<i>Tellina vicina</i> Adams.	San Diego.
330	<i>secta</i> Conrad.	San Pedro.
330	<i>Sphænia Californica</i> Conrad.	San Diego.
330	<i>Petricola carditoides</i> Conrad.	Monterey, San Pedro.
	<i>P. cylindracea</i> Desh.	
330	<i>Solecuretus Californiensis</i> Conrad.	San Diego.
330	<i>Gnathodon Leocontel</i> Conrad.	Colorado Desert.
	<i>G. trigonum</i> Petit.	
330	<i>Lottia scabra</i> Gould.	San Francisco.
330	<i>patina</i> Esch.	San Pedro.
330	<i>Scurria pallida</i> Gr.	San Pedro.
	<i>Lottia mitra</i> Br.	

Page.	Name.	Locality.
330	<i>Calyptra hispida</i> Br.	San Pedro, San Diego.
330	<i>Crepidula incurva</i> Br.	San Pedro.
330	<i>Bulla nebulosa</i> Gould.	San Diego.
330	(<i>Haminea</i>) <i>virescens</i> Sowerby	San Diego.
330	<i>vesicula</i> Gould.	San Diego.
330	<i>Bulla</i> (<i>Tornatina</i>) <i>incolta</i> Gould.	San Diego.
330	<i>Trochus mceustus</i> Jonas.	San Diego.
330	<i>Phasianella compta</i> Gould.	San Diego.
331	<i>Littorina</i> ———.	San Diego.
331	<i>Melampus</i> ———.	San Diego.
331	<i>Oliva biplicata</i> Sowerby.	San Pedro.
331	<i>Potamis pullatus</i> Gould.	San Diego.
331	<i>Amnicola protea</i> Gould.	Colorado Desert.
331	<i>longinqua</i> Gould.	Colorado Desert.
331	<i>Planorbis ammon</i> Gould.	Color. Des., Ocoya cr.
331	<i>Physa humerosa</i> Gould.	Colorado Desert.
331	<i>Succinea</i> ———.	Ocoya creek.
331	<i>Helix Vancouverensis</i> Lea.	San Francisco.
331	<i>San Diegoensis</i> .	Point Reyes.
331	<i>infumata</i> Gould.	Point Reyes.
331	<i>Oregonensis</i> Lea.	Cypress Point.

Descriptions are given of the following:—

FRESH-WATER SHELLS FROM THE COLORADO DESERT.

Page.	Plate.	Fig.	Name.	Locality.
331	xi	1-5	<i>Physa humerosa</i> Gould.	Color. Des., Pecos riv.
331	xi	12-18	<i>Planorbis ammon</i> Gould.	Colorado Desert.
332	xi	6-9	<i>Amnicola protea</i> Gould.	Colorado Desert.
			<i>Melania exigua</i> Conrad.	
333	xi	10-11	<i>longinqua</i> Gould.	Colorado Desert.

MARINE SHELLS FROM THE COAST.

333	xi	23-24	<i>Potamis pullatus</i> Gould.	San Diego.
333	xi	25-26	<i>Phasianella compta</i> Gould.	San Diego.
334	xi	27-28	<i>Bulla</i> (<i>Tornatina</i>) <i>incolta</i> Gld.	San Diego.
334	xi	29	(<i>Haminea</i>) <i>vesicula</i> Gould.	San Diego.
334	xi	21-22	<i>Cardium oruentatum</i> Gould.	San Pedro.
335	xi	19-20	<i>Tapes gracilis</i> Gould.	San Pedro.
335			<i>Mytilus edulis</i> ?	San Francisco.
335			<i>Ostrea</i> ———?	San Pedro.
336			———?	San Diego.

Lea, Binney.—Explorations in Nebraska. Preliminary Report of Lieut. G. K. Warren, Top. Eng., &c. &c. Dr. F. V. Hayden's Report on Geology and Natural History. (From Executive Documents printed by order of the House of Representatives during the 2d Session of the 35th Congress, 1858-9, vol. ii, pt. iii, p. 723. Washington, 1859.)

Page.	Name.	Locality.
	Isaac Lea.	
723	Notes on Geographical Distribution.	

FLUVIATILE SHELLS.

724	Unio alatus Say.	Big Sioux river.
724	<i>levissimus</i> Lea.	Big Sioux river.
724	<i>luteolus</i> Lam.	Big Sioux river.
724	<i>asperimus</i> Lea.	Big Sioux river.
724	<i>rectus</i> Lea.	Big Sioux river.
724	<i>elegans</i> Lea.	James river.
724	<i>zig-zag</i> Lea.	White Earth river.
724	<i>anodontoides</i> Lea.	James river.
724	Margaritana complanata Lea.	Fort Clark, Mo.
724	Anodonta Ferrussaciana Lea.	Whiteriver, Nebraska.
724	Lymnea elodes Say.	Big Sioux river.
724	<i>Nuttalliana</i> Lea.	Big Sioux river.
724	<i>humilis</i> Say.	Big Sioux river.
724	<i>Haydeni</i> Lea.	Big Sioux river.
724	<i>Kirtlandiana</i> Lea.	Big Sioux river.
724	<i>umbrosa</i> Say.	Grindstone river, N. T.
724	<i>lubricoides</i> Lea.	Grindstone river, N. T.
724	<i>Philadelphica</i> Lea.	Grindstone river, N. T.
724	Planorbis bicarinatus Say.	Mouth of Big Sioux river.
724	<i>trivolvus</i> Say.	Mouth of Big Sioux river.
724	<i>lentus</i> Say.	Mouth of Big Sioux river.
724	<i>parvus</i> Say.	Mouth of Big Sioux river.
724	<i>campanulatus</i> Say.	Mouth of Big Sioux river.
724	Physa heterostrophæ Say.	Mouth of Big Sioux river.
724	<i>integra</i> Hald.?	Mouth of Big Sioux river.
724	<i>elongata</i> Say.	Mouth of Big Sioux river.
724	<i>ampularia</i> Say.	Mouth of Big Sioux river.
725	Pisidium ———?	Grindstone creek.
725	Cyclos ———?	Grindstone creek.
725	Daphnia ———?	Grindstone creek.
725	Amnicola porata Say.	Fort Berthold.
725	<i>lapidaria</i> .	Fort Berthold.

W. G. Binney.

LAND SHELLS.

Page.	Name.	Locality.
725	<i>Helix minuscula</i> Binney.	Council Bluff, N. T.
725	<i>lineata</i> Say.	Council Bluff, N. T.
725	<i>striatella</i> Anthony.	Council Bluff, N. T.
725	<i>inflecta</i> Say.	Council Bluff, N. T.
725	<i>hirsuta</i> Say.	Council Bluff, N. T.
725	<i>solitaria</i> Say.	Council Bluff, N. T.
725	<i>alternata</i> Say.	Council Bluff, N. T.
725	<i>elevata</i> Say.	Council Bluff, N. T.
725	<i>fallax</i> Say.	Council Bluff, N. T.
725	<i>concava</i> Say.	Council Bluff, N. T.
725	<i>ligeri</i> Say.	Council Bluff, N. T.
725	<i>profunda</i> Say.	Near Ft. Leavenworth, K. T.
725	<i>multilineata</i> Say.	Near Ft. Leavenworth, K. T.
725	<i>monodon</i> Rack.	Near Ft. Leavenworth, K. T.
725	<i>pulchella</i> Müll. (p. 724).	Near Ft. Leavenworth, K. T.
725	<i>costata</i> Müll. (p. 724).	Near Ft. Leavenworth, K. T.
725	<i>arborea</i> Say.	Near Fort Berthold.
725	<i>obsoleta</i> Say.	Near Fort Berthold.
725	<i>electrina</i> Gould.	Near Fort Berthold.
725	<i>Cooperi</i> W. G. Binney (n. s.)	Black hills, N. T.
725	<i>Pupa Nebraskana</i> W. G. Binn. (n. s.)	Fort Berthold, K. T.
725	<i>Blandi</i> W. G. Binney (n. s.)	Fort Berthold, K. T.
725	<i>pentodon</i> Say.	Council Bluff, N. T.
725	<i>modesta</i> Say.	Council Bluff, N. T.
725	<i>badia</i> Adams.	Council Bluff, N. T.
725	<i>Bulimus lubricus</i> Müll.	Fort Berthold.
725	<i>Succinea venusta</i> Say.	Yellowstone river.
725	<i>retusa</i> Lea.	Yellowstone river.
725	<i>Haydeni</i> W. G. Binney (n. s.)	Yellowstone river.
725	<i>lineata</i> W. G. Binn. (n. s., p. 724.)	Ft. Union, Yellowstone riv.
725	<i>Nuttalliana</i> Lea.	Fort Union.
725	<i>obliqua</i> Say.	Fort Berthold, N. T.

Gould.—Reports of the Commissioners of the Zoological Survey of the State. Boston, 1838. (Mass. House. Doc., No. 72. April, 1838.) Mollusca: by Dr. A. A. GOULD.

[The following species were specified by name only as having been discovered since 1838 (vide ante, p. 39).—W. G. B.]

Page.		Page.	
107	<i>Mya truncata</i> Penn.	107	<i>Tellina sordida</i> Couch.
107	<i>Thracia Conrad</i> Couch.	107	<i>tenera</i> Say.

Page.		Page.	
107	<i>Cryptodon flexuosa</i> Turton.	107	<i>Physa elongata</i> Say.
107	<i>Mesodesma Jauresii</i> De Joannis.	107	<i>Valvata tricarinata</i> Say.
107	<i>Venus fluctuosa</i> Gould, MS.	107	<i>Paludina canaliculata</i> Gld., lustrica Say. [MS.
107	<i>Cardium pubescens</i> Couth.	107	<i>Oxinoë glabra</i> Couth.
107	<i>Nucula thracæformis</i> Stor.	107	<i>Scalaria Nov-Angliæ</i> Couth.
107	<i>lævigata</i> Gould, MS.	107	<i>subulata</i> Couth.
107	<i>myalis</i> Couth.	107	<i>Natica immaculata</i> Totten.
107	<i>tenuisulcata</i> Couth.	107	<i>consolidata</i> Couth.
107	<i>Modiola pectinula</i> Gld., MS.	107	<i>Actæon trifidus</i> Totten.
107	<i>discors</i> Linn.	107	<i>convoluta</i> Gould, MS.
107	<i>disorepans</i> Montagu.	107	<i>Jaminia exigua</i> Couth.
107	<i>Terebratula septentriona- lis</i> Couth.	107	<i>Lacuna neritoidea</i> Gld. MS.
107	<i>thalassina</i> Gould, MS.	107	<i>Turbo incarnatus</i> Couth.
107	<i>Chiton fulminatus</i> Couth.	107	<i>cinereus</i> Couth.
107	<i>sagrinatus</i> Couth.	107	<i>obscurus</i> Couth.
107	<i>Emersonii</i> Couth.	107	<i>aculeus</i> Gould, MS.
107	<i>pectinatus</i> Gould, MS.	107	<i>Turritella erosa</i> Couth.
107	<i>Patella candida</i> Couth.	107	<i>Pyramis striatula</i> Couth.
107	<i>Rimula Noachina</i> Linn.	107	<i>Cancellaria buccinoides</i> Couth.
107	<i>Galericulus ovatum</i> Brown.	107	<i>Trichotropis costellatus</i> Couth.
107	<i>lævigatum</i> Brown.	107	<i>Pleurotoma bicarinata</i> Cou.
107	<i>Bulla insculpta</i> Totten.	107	<i>Fusus pleurotomarius</i> Cou.
107	<i>triticea</i> Couth.	107	<i>harpularius</i> Couth.
107	<i>lineolata</i> Couth.	107	<i>Murex turriculus</i> Montagu.
107	<i>Bullina canaliculata</i> Say.	107	<i>scalariformis</i> Gould, MS.
107	<i>Bulimus lubricus</i> Penn.		

Eaton.—Zoological Text-book; containing Cuvier's four grand Divisions of Animals, &c. &c., with short descriptions of some of the most common species, &c. : by AMOS EATON. Albany, 1826.

[The first part of this work is devoted to Systematic Zoology, pp. 111-118 including Mollusca, with descriptions of genera. The second part contains descriptions of many species of animals, the genera being arranged alphabetically. The following are Mollusca, no locality being given. Most of them are foreign.—W. G. B.]

Page.		Page.	
141	<i>Anomia squamula.</i>	153	<i>Arca Nos.</i>
141	<i>tridentata.</i>	155	<i>Argonauta argo.</i>
141	<i>terebratula.</i>	155	<i>Ascidia rustica.</i>

Page.		Page.	
159	<i>Buccinum stromboides.</i>	217	<i>Mya purpurea.</i>
159	<i>Bulla ampulla.</i>	218	<i>ovata.</i>
160	<i>fontinalis.</i>	218	<i>cariosa.</i>
166	<i>Cardium edule.</i>	218	<i>ochracea.</i>
169	<i>Chama gigas.</i>	218	<i>nasuta.</i>
169	<i>antiquata.</i>	219	<i>alata.</i>
169	<i>Chiton tuberculatus.</i>	219	<i>cylindrica.</i>
170	<i>Clio pyramidata.</i>	219	<i>undulata.</i>
173	<i>Conus ammiralis.</i>	219	<i>plicata.</i>
176	<i>Cypræa arabica.</i>	219	<i>undata.</i>
176	<i>argus.</i>	219	<i>elliptica.</i>
177	<i>tigris.</i>	220	<i>carinata.</i>
178	<i>Dentalium elephantinum.</i>	220	<i>prælonga.</i>
179	<i>Donax trunculus.</i>	220	<i>gibbosa.</i>
179	<i>Doris argo.</i>	220	<i>cuneata.</i>
193	<i>Haliotis tuberculata.</i>	220	<i>radiata.</i>
193	<i>Helix albilabris.</i>	221	<i>mucronata.</i>
193	<i>thyroidus.</i>	221	<i>inflata.</i>
193	<i>arboreus.</i>	221	<i>ventricosa.</i>
193	<i>tridentata.</i>	221	<i>siliquoides.</i>
194	<i>alternata.</i>	221	<i>plana.</i>
194	<i>glaphyra.</i>	221	<i>triangularis.</i>
194	<i>trivolvis.</i>	222	<i>gracilis.</i>
194	<i>bicarinatus.</i>	222	<i>parva.</i>
195	<i>parvus.</i>	222	<i>arouata.</i>
195	<i>catascopus.</i>	222	<i>rugosa.</i>
195	<i>heterostrophus.</i>	222	<i>complanata.</i>
195	<i>subcarinatus.</i>	223	<i>Mytilus margaritiferus.</i>
195	<i>virginica.</i>	224	<i>cataractus.</i>
196	<i>vivipara.</i>	224	<i>marginatus.</i>
196	<i>decisa.</i>	224	<i>Nautilus pompilius.</i>
206	<i>Limax ater.</i>	225	<i>Nerita glaucina.</i>
206	<i>maximus.</i>	227	<i>Onchidium typhæ.</i>
206	<i>agrestis.</i>	228	<i>Ostræa maxima.</i>
208	<i>Mactra solida.</i>	229	<i>Jacobæa.</i>
208	<i>lutraria.</i>	229	<i>edulis.</i>
213	<i>Murex tribulus.</i>	229	<i>plicatula.</i>
213	<i>erinaceous.</i>	232	<i>Patella fornicata.</i>
216	<i>Mya margaritifera.</i>	232	<i>fissura.</i>
216	<i>cornuta.</i>	240	<i>Pholas dactylus.</i>
216	<i>verrucosa.</i>	241	<i>Pinna muricata.</i>
216	<i>nodosa.</i>	252	<i>Sepia officinalis.</i>
217	<i>tuberculata.</i>	252	<i>loligo.</i>
217	<i>rugosa.</i>	256	<i>Solen vagina.</i>
217	<i>crassa.</i>	258	<i>Spondylus quæderopus.</i>

Page.		Page.	
262	<i>Strombus gigas.</i>	267	<i>Teredo navalis.</i>
266	<i>Tellina fragilis.</i>	272	<i>Trochus magnus.</i>
266	<i>radiata.</i>	273	<i>Turbo corticaria.</i>
266	<i>similis. (Amer.)</i>	275	<i>Venus mercenaria. (N. Y.)</i>
266	<i>dubia. (Amer.)</i>	278	<i>Voluta pallida.</i>

Gould.—Mollusca and Shells of the United States Exploring Expedition (Com. Wilkes): by A. A. GOULD, M. D. Boston, 1852.

[The following are the American species.—W. G. B.]

Page.	Fig.	Name.	Locality.
2	2, 2 ^a , 2 ^b	<i>Arion foliolatus Gould.</i>	Puget Sound.
3	1-1 ^c	<i>Limax Columbianus Gould.</i>	Puget Sound, &c.
28	29-29 ^b	<i>Succinea rusticana Gould.</i>	Oregon.
36	37	<i>Helix Vancouverensis Lea.</i>	Oregon.
36	41-41 ^b	<i>strigosa Gould.</i>	Puget Sound, &c.
37	42-42 ^c	<i>sportella Gould.</i>	Puget Sound, &c.
66	38	<i>Nuttalliana Lea.</i>	Puget Sound, &c.
66	36	<i>Townsendiana Lea.</i>	Willamet creek.
		<i>Helix pedestris Gould (p. 65).</i>	
		<i>ruida Gould (p. 65).</i>	
67	35-35 ^c	<i>labiosa Gould.</i>	Oregon, &c.
68	39-39 ^c	<i>loricata Gould.</i>	Sacramento river.
69	74-74 ^b	<i>devia Gould.</i>	Puget Sound.
70	40-40 ^c	<i>germana Gould.</i>	Oregon.
112	131-131 ^c	<i>Planorbis vermicularis Gould.</i>	Interior of Oregon.
113	132-132 ^c	<i>opercularis Gould.</i>	Sacramento river.
113	130-130 ^b	<i>corpulentus Say.</i>	Columbia river.
114		<i>trivolvus Say.</i>	
120	138, 138 ^a	<i>Physa virginea Gould.</i>	Sacramento river.
121	141, 141 ^a	<i>Limnea lepida Gould.</i>	Lake Vancouver.
122		<i>apicina Lea.</i>	Oregon.
122		<i>umbrosa Say.</i>	Columbia and Sacramento rivers.
141	164, 164 ^a	<i>Melania silicula Gould.</i>	Nisqually.
142	163, 163 ^a	<i>bulbosa Gould.</i>	Columbia river.
143	165	<i>plicifera Lea.</i>	Lake George, Oreg.
144	166, 166 ^a	<i>Cerithium (Potamis) sacratum</i>	Sacramento river.
149	175-175 ^c	<i>fiosum Gould. [Gould.</i>	Puget Sound.
185	207-207 ^b	<i>Trochus ligatus Gould.</i>	Puget Sound.
194	230-230 ^b	<i>Lacuna carinata Gould.</i>	Puget Sound.
197	237, 237 ^a	<i>Littorina patula Gould.</i>	San Francisco.

Page.	Fig.	Name.	Locality.
199	238-238 ^a	<i>Littorina lepida</i> Gould.	Puget Sound.
200	241, 241 ^a	<i>soutulata</i> Gould.	Puget Sound.
201	236-236 ^b	<i>plena</i> Gould.	San Francisco.
206		<i>Scalaria australis</i> Lam.	Puget Sound.
211	253, 253 ^a	<i>Natica Lewisii</i> Gould.	Puget Sound.
212	254, 254 ^a	<i>caurina</i> Gould.	Straits of de Fuca.
214	256, 256 ^a	<i>algida</i> Gould.	Classet, Oregon.
219	275	<i>Trichotropis cancellata</i> Hinds.	Straits of de Fuca.
233	284-284 ^b	<i>Fusus fidicula</i> Gould.	Puget Sound.
234	285-285 ^b	<i>orpheus</i> Gould.	Puget Sound.
241		<i>Triton Oregonense</i> Jay.	Puget Sound.
		<i>Fusus Oregonense</i> Rve.	
		<i>cancellatus</i> Rve.	
244	310, 310 ^a	<i>Purpura ostrina</i> Gould.	Killimook, Oregon.
254	321, 321 ^a	<i>Buccinum fossatum</i> Gould.	Puget Sound, &c.
263	331, 331 ^a	<i>Nassa mendica</i> Gould.	Puget Sound, &c.
264	332, 332 ^a	<i>rubricata</i> Gould.	Pacific coast.
267	337-337 ^b	<i>Columbella gausapata</i> Gould.	Puget Sound.
309		<i>Chloræa</i> Gould. (n. g.)	
310	404-404 ^b	<i>leonina</i> Gould.	Puget Sound.
311		<i>Dendronotus</i> ———.	Puget Sound.
311		<i>Goniodoris</i> ———.	Puget Sound.
311		<i>Doris</i> ———.	Puget Sound.
311		<i>Eolis</i> ———.	Puget Sound.
313	436	<i>Chiton muscosus</i> Gould.	Puget Sound.
321	433-433 ^b	<i>dentiens</i> Gould.	Puget Sound.
322	423-423 ^b	<i>interstinctus</i> Gould.	Puget Sound.
323	426-426 ^b	<i>vespertinus</i> Gould.	Puget Sound.
344	445-445 ^b	<i>Patella fimbriata</i> Gould.	Straits of de Fuca.
346	454, 454 ^a	<i>instabilis</i> Gould.	Puget Sound.
346	458, 458 ^a	<i>conica</i> Gould.	Puget Sound.
348	456-456 ^b	(<i>Lottia</i> ?) <i>scabra</i> Gould.	San Francisco.
349	457-457 ^b	<i>textilis</i> Gould.	Straits of de Fuca.
351	455-455 ^a	<i>Lottia pintadina</i> Gould.	Straits of de Fuca, &c.
		<i>Acmæa patina</i> Esch. ?	
		<i>scutum</i> Esch. ?	
367	471-471 ^b	<i>Fissurella oratitia</i> Gould.	Puget Sound.
368	475-475 ^a	<i>Rimula cucullata</i> Gould.	Puget Sound.
369	476-476 ^a	<i>galeata</i> Gould.	Puget Sound.
375	482-482 ^b	<i>Crepidula rostriformis</i> Gould.	Straits of de Fuca.
376	481-481 ^a	<i>lingulata</i> Gould.	Puget Sound.
377	480-480 ^b	<i>nummaria</i> Gould.	Classet.
379	484-484 ^b	<i>Calyptrea fastigiata</i> Gould.	Puget Sound.
384	498-498 ^b	<i>Mya præcisæ</i> Gould.	Puget Sound.
385	507-507 ^b	<i>Panopea generosa</i> Gould.	Puget Sound.

Page.	Fig.	Name.	Locality.
387	501-501 ^b	<i>Solen sicarius</i> Gould.	Straits of de Fuca.
393	506-506 ^b	<i>Maotra falcata</i> Gould.	Puget Sound.
395	508-508 ^b	<i>Lutraria maxima</i> Midd. <i>L. capax</i> Gould.	Puget Sound.
397	509-509 ^b	<i>Osteodesma bracteatum</i> .	Puget Sound.
399		<i>Saxidomus Nuttalli</i> Conr.	Straits of de Fuca.
417	532, 532 ^a	<i>Cardita ventricosa</i> Gould.	Puget Sound.
418	534, 534 ^a	<i>Cardium blandum</i> Gould.	Puget Sound.
420	538-588 ^b	<i>Venus rigida</i> Gould.	Puget Sound, &c.
426	527-527 ^b	<i>Cyclas patella</i> Gould.	Oregon.
432	544-544 ^b	<i>Unio famelicus</i> Gould.	Wallawalla.
433	545-545 ^b	<i>Alasmodonta falcata</i> Gould.	Wallawalla, &c.
435	546-546 ^b	<i>Anodonta cognata</i> Gould.	Nisqually, &c.
436		<i>angulata</i> Lea.	Sacramento river.
436	547-547 ^b	<i>feminalis</i> Gould.	Wallawalla, &c.
450	567, 567 ^a	<i>Mytilus trossulus</i> Gould.	Puget Sound.
453	561, 561 ^a	(<i>Modiola</i>) <i>flabellatus</i> Gould.	Puget Sound.
457	570, 570 ^a	<i>Pecten hercineus</i> Gould.	Straits of de Fuca.
458	569-569 ^b	<i>caurinus</i> Gould.	Port Townsend.
467	581-581 ^a	<i>Terebratula pulvinata</i> Gould.	Puget Sound.
468	582-582 ^a	<i>caurina</i> Gould.	Puget Sound.

ADDENDA AND CORRIGENDA.

Page.		Page.	
501*	<i>Helix loricata</i> Gould. <i>H. Lecontei</i> Lea.	503*	<i>Natica Lewisii</i> Gould. <i>N. herculea</i> Midd.
501*	<i>devia</i> Gould. <i>H. Baskervillei</i> Pfr.	508*	<i>Lutraria capax</i> Gould. <i>L. maxima</i> (preoc.)
503*	<i>Trochus ligatus</i> Gould. <i>T. castaneus</i> Forbes.		

Conrad.—Descriptions of Marine Shells from Upper California, collected by Thomas Nuttall, Esq.: by T. A. CONRAD. (From Journ. Acad. Nat. Sci., of Philadelphia, vol. vii, pt. 2, p. 227, 1837.)

[This paper was very imperfectly quoted on p. 53. I give both foreign and American species here.—W. G. B.]

Page.	Plate.	Fig.	Name.	Locality.
228	xvii	1	<i>Pandora punctata</i> Conr.	Sta. Barbara.
228	xvii	2	<i>Cardium substriatum</i> Conr.	St. Diego.
229	xvii	3	<i>Nuttalli</i> Conr.	Estuary of Columbia r.
229	xvii	4	<i>Californianum</i> Conr.	Sta. Barbara.

Page.	Plata.	Fig.	Name.	Locality.
230	xvii	5	<i>Cardium quadragenarium</i> Conr.	Sta. Barbara.
230	xvii	6	<i>Sanguinolaria Nuttalli</i> Conr.	St. Diego.
231	xvii	7	<i>Californiana</i> Conr.	Estuary of Columbia r.
231	xvii	8	<i>Solecurtus lucidus</i> Conr.	Sta. Barbara.
232	xvii	9	<i>Nuttalli</i> Conr.	Estuary of Columbia r.
232			<i>Cultellus</i> Conr. (n. s. g.)	
233	xvii	10	<i>Solecurtus subteres</i> Conr.	Sta. Barbara.
233	xviii	3	<i>Californianus</i> Conr.	Sta. Barbara.
234	xvii	11	<i>Sphaenia Californica</i> Conr.	Sta. Barbara.
234	xvii	12	<i>Cumingia Californica</i> Conr.	Sta. Barbara.
235			<i>Cryptodon</i> Conr. (n. s. g.)	
235	xviii	1	<i>Lutrarina Nuttalli</i> Conr.	Sta. Barbara.
235			<i>Platyodon</i> Conr. (n. s. g.)	
236	xviii	2	<i>Mya cancellata</i> Conr.	Sta. Barbara.
236	xviii	4	<i>Cypriocardia Californica</i> Conr.	Sta. Barb'a, St. Diego.
236	xviii	5	<i>Pholas Californica</i> Conr.	Sta. Barb'a, St. Diego.
237	xviii	7	<i>penita</i> Conr.	Sta. Barb'a, St. Diego.
238	xviii	8	<i>Periploma argentaria</i> Conr.	St. Diego.
238	xviii	9	<i>Pecten lati-auratus</i> Conr.	St. Diego, Sta. Barb'a.
238	xviii	10	<i>monotimeris</i> Conr.	St. Diego, Sta. Barb'a.
239	xviii	11	<i>Amphidesma rubro-lineata</i> Conr.	St. Diego.
239	xix	2	<i>decisa</i> Conr.	St. Diego.
239	xx	4	<i>bellastriata</i> Conr.	Mobile point, Ala.
240	xviii	12	<i>Maetra Californica</i> Conr.	Sta. Barbara.
240			<i>plannata</i> Conr.	Sta. Barbara.
241	xviii	13	<i>Psammobia pacifica</i> Conr.	St. Diego.
241	xviii	14	<i>Mytilus bifurcatus</i> Conr.	Sandwich Islands.
242	xviii	15	<i>Californianus</i> Conr.	S. Diego, S. Bar., Mon-
242			<i>crebristriatus</i> Conr.	Sand'ch Isl. [terey.
242			<i>Modiola capax</i> Conr.	St. Diego.
243	xix	1	<i>recta</i> Conr.	Sta. Barbara.
243	xx	6	<i>Carolinensis</i> Conr.	Sullivan's Isl., Charleston,
244	xx	7	<i>Modiola semicostata</i> Conr.	Salem, Mass. [S. C.
244	xix	4	<i>Pinna Nuttalli</i> Conr.	Sandwich Islands.
245	xx	11	<i>semicostata</i> Conr.	Sandwich Islands.
245	xix	9	<i>incisa</i> Conr.	Sandwich Islands.
246	xix	13	<i>Californica</i> Conr.	Sandwich Islands.
246			<i>costellata</i> Conr.	Sandwich Islands.
246	xix	6	<i>Avicula pallida</i> Conr.	Sandwich Islands.
246			<i>nebulosa</i> Conr.	Sandwich Islands.
246			<i>Mytilimeria</i> Conr. (n. g.)	
247			<i>Nuttalli</i> Conr.	California.
247	xix	7	<i>Lima dehiscens</i> Conr.	Fayal.
248	xix	8	<i>Thracia curta</i> Conr.	• Sta. Barbara.
248	xix	10	<i>Lyonsia inflata</i> Conr.	Guayaquil.

Page.	Plate.	Fig.	Name.	Locality.
248	xix	21	<i>Lyonsia Californica</i> Conr.	Sta. Barbara.
249			<i>Saxidomus</i> Conr. (n. g.)	
249	xix	14	<i>Nuttalli</i> Conr.	St. Diego, California.
250	xix	16	<i>Venus Nuttalli</i> Conr.	St. Diego, Sta. Barb'a.
250	xix	15	<i>staminea</i> Conr.	St. Diego, Sta. Barb'a.
251	xix	14	<i>Californiana</i> Sowb.	St. Diego.
251	xix	19	<i>lamellifera</i> Conr.	California.
251			<i>Mortoni</i> Conr.	Charleston, S. C.
252			<i>Cytherea callosa</i> Conr.	Sta. Barbara.
253	xix	18	<i>prora</i> Conr.	New Holland.
253	xix	22	<i>hieroglyphica</i> Conr.	Sandwich Islands.
253			<i>Trigonella</i> Conr. (n. s. g., no descr.)	
253	xix	17	<i>Cytherea crassatelloides</i> Conr.	St. Diego, Sta. Barb'a.
254	xix	21	<i>Donax Californica</i> Conr.	Sta. Barbara.
254	xix	11	<i>Lucina bella</i> Conr.	St. Diego.
255	xx	1	<i>Californica</i> Conr.	St. Diego.
255	xx	2	<i>Nuttalli</i> Conr.	St. Diego.
255	xx	8	<i>Saxicava carditoides</i> Conr.	Sta. Barbara.
256	xx	9	<i>Californica</i> Conr.	Sta. Barb'a, St. Diego.
256			<i>Chama lostoma</i> Conr.	Atool.
256			<i>exogyra</i> Conr.	Sta. Barb'a, St. Diego.
257	xx	10	<i>Vulsella Nuttalli</i> Conr.	Friendly Islands.
257			<i>Tellina secta</i> Conr.	St. Diego.
258			<i>alta</i> Conr.	Sta. Barbara.
258			<i>nasuta</i> Conr.	St. Diego.
259			<i>dispar</i> Conr.	Sandwich Islands.
259			<i>obliquilineata</i> Conr.	Sandwich Islands.
259	xx	3	<i>lutea</i> Conr.	Mobile Point, Ala.
260			<i>Hinnita Nuttalli</i> Conr.	Fayal.
263	xx	26	<i>Scalaria turbinata</i> Conr.	Beaufort, N. C.
263			<i>Cerostoma</i> Conr. (n. s. g.)	
264	xx	22	<i>Nuttalli</i> Conr.	Sta. Barbara.
264	xx	17	<i>Monoceros engonata</i> Conr.	Sta. Barbara.
264			<i>brevidens</i> Conr.	Sta. Barbara.
265	xx	18	<i>lapilloides</i> Conr.	Sta. Barbara.
265	xx	19	<i>Purpura Nuttalli</i> Conr.	Fayal.
265	xx	21	<i>Floridana</i> Conr.	Florida and Alabama.
266	xx	25	<i>harpa</i> Conr.	Sta. Barbara.
266	xx	23	<i>bulbiformis</i> Conr.	Sandwich Islands.
267	xx	20	<i>dumosa</i> Conr.	
267			<i>macrostoma</i> Conr.	Sta. Barbara.
268	xx	24	<i>foliacea</i> Conr.	Atool.

Lea, Agassiz.—In the Proceedings of the American Philosophical Society of Philadelphia, occur the following:—

Vol.	Pa.	Name.	Vol.	Pa.	Name.
Isaac Lea.					
Nov. Dec.	1836	[For locality, see Trans. American Philosophical Society.—W. G. B.]			
i	66	Melania Cincinnatiensis <i>Lea.</i>	i	289	Anodonta Footiana <i>Lea.</i>
Mar. Apr.	1840		i	289	Melania catenaria <i>Lea.</i>
i	187	Patella amana Say= Patel- loida testudinalis.	i	289	Boykiniana <i>Lea.</i>
Oct.	1840		i	289	Carocolla Cumberland- iana <i>Lea.</i>
i	285	Unio Cincinnatiensis	i	289	Cyclostoma Cinnin- tensis <i>Lea.</i>
i	285	pilaris <i>Lea.</i> [<i>Lea.</i>	Feb. 1841		
i	285	Geddingsianus <i>Lea.</i>	ii	11	Melania Hildrethiana
i	286	tuberosus <i>Lea.</i>	ii	11	castanea <i>Lea.</i> [<i>Lea.</i>
i	286	cuneolus <i>Lea.</i>	ii	11	laevigata <i>Lea.</i>
i	286	Lesueurianus <i>Lea.</i>	ii	11	Kirtlandiana <i>Lea.</i>
i	286	Stonensis <i>Lea.</i>	ii	11	Taitiana <i>Lea.</i>
i	286	lens <i>Lea.</i>	ii	11	dubia <i>Lea.</i>
i	286	plenus <i>Lea.</i>	ii	12	ebenum <i>Lea.</i>
i	286	tener <i>Lea.</i>	ii	12	rufa <i>Lea.</i>
i	286	pusillus <i>Lea.</i>	ii	12	fusiformis <i>Lea.</i>
i	286	amoenus <i>Lea.</i>	ii	12	claviformis <i>Lea.</i>
i	286	incrassatus <i>Lea.</i>	ii	12	gracilis <i>Lea.</i>
i	286	Boydianus <i>Lea.</i>	ii	12	subsolida <i>Lea.</i>
i	287	Sloatianus <i>Lea.</i>	ii	12	Ocoeensis <i>Lea.</i>
i	287	paulus <i>Lea.</i>	ii	12	subcylindracea <i>Lea.</i>
i	287	strigosus <i>Lea.</i>	ii	12	sordida <i>Lea.</i>
i	287	lineatus <i>Lea.</i>	ii	12	regularis <i>Lea.</i>
i	287	exiguus <i>Lea.</i>	ii	12	fuliginosa <i>Lea.</i>
i	287	tortivus <i>Lea.</i>	ii	12	Nickliniana <i>Lea.</i>
i	287	subangulatus <i>Lea.</i>	ii	12	viridis <i>Lea.</i>
i	287	striatus <i>Lea.</i>	ii	12	occidentalis <i>Lea.</i>
i	287	fatuus <i>Lea.</i>	ii	12	Niagaraensis <i>Lea.</i>
i	287	dactylus <i>Lea.</i>	ii	12	globula <i>Lea.</i>
i	287	obtusus <i>Lea.</i>	ii	13	altilis <i>Lea.</i>
i	288	Boykinianus <i>Lea.</i>	ii	13	strigosa <i>Lea.</i>
i	288	Edgarianus <i>Lea.</i>	ii	13	virgata <i>Lea.</i>
i	288	biangularis <i>Lea.</i>	ii	13	tenebrosa <i>Lea.</i>
i	288	nitens <i>Lea.</i>	ii	13	teres <i>Lea.</i>
i	288	Holstonensis <i>Lea.</i>	ii	13	obtusa <i>Lea.</i>
i	288	dolabelloides <i>Lea.</i>	ii	13	Lecontiana <i>Lea.</i>
i	288	Tennesseensis <i>Lea.</i>	ii	13	corrugata <i>Lea.</i>
i	288	atro-marginatus <i>Lea.</i>	ii	13	monozonalis <i>Lea.</i>
i	288	Bournianus <i>Lea.</i>	ii	13	terebralis <i>Lea.</i>
i	288	Margaritana Curreyiana <i>Lea.</i>	ii	13	columella <i>Lea.</i>
i	289	Anodonta Harpethiana	ii	13	blanda <i>Lea.</i>
i	289	argentea <i>Lea.</i> [<i>Lea.</i>	ii	13	crebri-costata <i>Lea.</i>
i	289	ferruginea <i>Lea.</i>	ii	14	Curreyana <i>Lea.</i>
i	289	Cowperiana <i>Lea.</i>	ii	14	Edgariana <i>Lea.</i>
i	289	Maryattiana <i>Lea.</i>	ii	14	decora <i>Lea.</i>
			ii	14	costulata <i>Lea.</i>

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	14	<i>Melania nitida</i> Lea.	ii	33	<i>Lymnea rustica</i> Lea.
ii	14	<i>plicatula</i> Lea.	ii	33	<i>plica</i> Lea.
ii	14	<i>concinna</i> Lea.	ii	33	<i>coarctata</i> Lea.
ii	14	<i>Babylonica</i> Lea.	ii	33	<i>casta</i> Lea.
ii	14	<i>exarata</i> Lea.	ii	33	<i>parva</i> Lea.
ii	14	<i>Potosiensis</i> Lea.	ii	33	<i>curta</i> Lea.
ii	14	<i>acuto-carinata</i> Lea.	ii	33	<i>strigosa</i> Lea.
ii	14	<i>Warderiana</i> Lea.	ii	33	<i>Kirtlandiana</i> Lea.
ii	14	<i>sulcosa</i> Lea.	ii	34	<i>Paludina regularis</i> Lea.
ii	15	<i>striata</i> Lea.	ii	34	<i>obtusa</i> Lea.
ii	15	<i>pilula</i> Lea.	ii	34	<i>Troostiana</i> Lea.
ii	15	<i>circincta</i> Lea.	ii	34	<i>Anculosa Troostiana</i>
ii	15	<i>venusta</i> Lea.	ii	34	<i>gibbosa</i> Lea. [Lea.]
ii	15	<i>Florentiana</i> Lea.	ii	34	<i>dentata</i> Lea.
ii	15	<i>Duttoniana</i> Lea.	ii	34	<i>variabilis</i> Lea.
ii	15	<i>Holstonia</i> Lea.	ii	34	<i>Amnicola orbiculata</i>
ii	15	<i>caliginosa</i> Lea.	ii	34	<i>parva</i> Lea. [Lea.]
ii	15	<i>nodulosa</i> Lea.	ii	34	<i>Io tenebrosa</i> Lea.
Apr. 1841			ii	34	Notes on parturition, &c., of Uniones.
ii	30	<i>Unio Sapotalensis</i> Lea.	Oct. 1841		
ii	30	<i>Tecomatensis</i> Lea.	ii	81	<i>Valvata bicarinata</i> Lea.
ii	30	<i>Bigbyensis</i> Lea.	ii	82	<i>Unio Brumleyanus</i> Lea.
ii	31	<i>crocatus</i> Lea.	ii	82	<i>regularis</i> Lea.
ii	31	<i>callosus</i> Lea.	ii	82	<i>mcestus</i> Lea.
ii	31	<i>Duttonianus</i> Lea.	ii	82	<i>sparsus</i> Lea.
ii	31	<i>Georgianus</i> Lea.	ii	82	<i>argenteus</i> Lea.
ii	31	<i>Anodonta Montezuma</i>	ii	82	<i>Helix Mobiliana</i> Lea.
ii	31	<i>globosa</i> Lea. [Lea.]	ii	82	<i>minutissima</i> Lea.
ii	31	<i>Helix Tennesseeensis</i>	ii	82	<i>Melania turgida</i> Lea.
ii	31	<i>Carocolla Edgariana</i>	ii	82	<i>glabra</i> Lea.
ii	31	<i>Succinea Wardiana</i>	ii	82	<i>perfusca</i> Lea.
ii	32	<i>Tottenhamia</i> Lea.	ii	82	<i>picta</i> Lea.
ii	32	<i>Nuttalliana</i> Lea.	ii	83	<i>impressa</i> Lea.
ii	32	<i>aurea</i> Lea.	ii	83	<i>robusta</i> Lea.
ii	32	<i>Oregonensis</i> Lea.	ii	83	<i>Jayana</i> Lea.
ii	32	<i>inflata</i> Lea.	ii	83	<i>Anculosa rubiginosa</i>
ii	32	<i>Planorbis regularis</i> Lea.	ii	83	<i>bella</i> Lea. [Lea.]
ii	32	<i>Buchanensis</i> Lea.	ii	83	<i>Griffithiana</i> Lea.
ii	32	<i>bellus</i> Lea.	ii	83	<i>tuberculata</i> Lea.
ii	32	<i>Physa Hildrethiana</i>	ii	83	<i>Valvata bicarinata</i> Lea.
ii	32	<i>inflata</i> Lea. [Lea.]	ii	83	<i>Paludina angulata</i> Lea.
ii	32	<i>Troostensis</i> Lea.	ii	83	<i>Coosaensis</i> Lea.
ii	32	<i>Lymnea Philadelphica</i>	ii	83	<i>cyclostomataformis</i>
ii	33	<i>Griffithiana</i> Lea.	Jan.-Apr. 1842		
ii	33	<i>Nuttalliana</i> Lea.	ii	150	<i>Melania altalis</i> Lea.
ii	33	<i>bulimoides</i> Lea.	Aug.-Oct. 1842		
ii	33	<i>exigua</i> Lea.	ii	224	<i>Unio Foremanianus</i>
ii	33	<i>planulata</i> Lea.	ii	224	<i>Haleianus</i> Lea. [Lea.]
ii	33	<i>fusiformis</i> Lea.	ii	225	<i>Dariensis</i> Lea.

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	225	<i>Anodonta Dunlapiana</i> Lea.	iv	163	<i>Unio unicolor</i> Lea.
Nov. 1842			iv	163	<i>flavescens</i> Lea.
			iv	164	<i>pallescens</i> Lea.
ii	234	Notes on turbinated and discoid shells, as <i>Turbo duplicatus</i> .	iv	164	<i>utriculus</i> Lea.
			iv	164	<i>spatulatus</i> Lea.
			iv	164	<i>tumescens</i> Lea.
Dec 1842			iv	164	<i>caperatus</i> Lea.
ii	237	<i>Melania rufa</i> Lea = <i>rufescens</i> .	iv	164	<i>fulgidus</i> Lea.
			iv	164	<i>pulvinulus</i> Lea.
ii	237	<i>striata</i> Lea = <i>striatula</i> .	iv	164	<i>hyalinus</i> Lea.
ii	237	<i>laevigata</i> Lea = <i>laevis</i> .	iv	164	<i>Estabrookianus</i> Lea.
ii	237	<i>corrugata</i> Lea = <i>rugosa</i> .	iv	164	<i>approximus</i> Lea.
			iv	164	<i>symmetricus</i> Lea.
ii	237	<i>Unio compressus</i> Lea = <i>pressus</i> .	iv	164	<i>fuliginosus</i> Lea.
			iv	165	<i>caliginosus</i> Lea.
ii	242	<i>Melania plicatula</i> Lea = <i>Deshaysiana</i> .	iv	165	<i>Binneyi</i> Lea.
			iv	165	<i>Gouldii</i> Lea.
ii	242	<i>plicata</i> Lea = <i>Menkiana</i> .	iv	165	<i>Margaritana minor</i> Lea.
			iv	165	<i>Anodonta tetragona</i> Lea.
ii	242	<i>excavata</i> Lea = <i>arata</i> .	iv	165	<i>Melania Buddii</i> Lea.
ii	242	<i>Planorbis lens</i> Lea = <i>Brog-niarti</i> .	iv	165	<i>torta</i> Lea.
ii	242	<i>Melania Vanuxemiana</i>	iv	165	<i>pernodosa</i> Lea.
ii	242	<i>ovalis</i> Lea. [Lea.]	iv	165	<i>filum</i> Lea.
ii	242	<i>Haysiana</i> Lea.	iv	165	<i>nobilis</i> Lea.
ii	242	<i>excisa</i> Lea.	iv	165	<i>carino-costata</i> Lea.
ii	242	<i>Schizostoma</i> n. g. Lea.	iv	165	<i>abrupta</i> Lea.
ii	242	<i>Melania Ordiana</i> Lea.	iv	166	<i>pallescens</i> Lea.
ii	242	<i>brevis</i> Lea.	iv	166	<i>lugubris</i> Lea.
ii	242	<i>oliva</i> Lea.	iv	166	<i>spinalis</i> Lea.
ii	242	<i>Foremani</i> Lea.	iv	166	<i>spurca</i> Lea.
ii	242	<i>torquata</i> Lea.	iv	166	<i>harpa</i> Lea.
ii	243	<i>producta</i> Lea.	iv	166	<i>basalis</i> Lea.
ii	243	<i>curvata</i> Lea.	iv	166	<i>auriculiformis</i> Lea.
ii	243	<i>expansa</i> Lea.	iv	166	<i>pumila</i> Lea.
ii	243	<i>Anculosa incisa</i> Lea.	iv	166	<i>protea</i> Lea.
ii	243	<i>Foremani</i> Lea.	iv	166	<i>arctata</i> Lea.
ii	243	<i>solida</i> Lea.	iv	166	<i>solida</i> Lea.
ii	243	<i>flammata</i> Lea.	iv	166	<i>crebristriata</i> Lea.
ii	243	<i>Paludina incrassata</i> Lea.	iv	166	<i>modesta</i> Lea.
ii	243	<i>coarctata</i> Lea.	iv	167	<i>Haleiana</i> Lea.
May-Aug. 1845			iv	167	<i>Alexandrensis</i> Lea.
iv	163	<i>Unio compressissimus</i>	iv	167	<i>ovoidea</i> Lea.
iv	163	<i>pellucidus</i> Lea. [Lea.]	iv	167	<i>Anculosa squalida</i> Lea.
iv	163	<i>pernodosus</i> Lea.	iv	167	<i>tintinnabulum</i> Lea.
iv	163	<i>atrocostatus</i> Lea.	iv	167	<i>Schizostoma pagoda</i>
iv	163	<i>latecostatus</i> Lea.	iv	167	<i>Buddii</i> Lea. [Lea.]
iv	163	<i>hippopæus</i> Lea.	iv	167	<i>Babylonicum</i> Lea.
iv	163	<i>simplex</i> Lea.	iv	167	<i>constrictum</i> Lea.
			iv	167	<i>laciniatum</i> Lea.
			iv	167	<i>funiculatum</i> Lea.
			iv	167	<i>Paludina Haleiana</i> Lea.

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July, 1831		
v	187	Remarks on Agassiz's Paper.
v	191	Remarks on Weight of Nalades.
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v	220	Letter to Agassiz.
Dec. 1832		
v	257	List of Shells described in Transactions (no description).
v	253	Fulcrum in Helix (vide Transactions).
Feb. 1832		
v	219	Agassiz.—Letter to Isaac Lea, on the Nalades, by L. AGASSIZ.

Anthony.—On the Byssus of Unio: By JOHN G. ANTHONY, Esq. With Notes by J. E. GRAY, Esq. (From Annals and Magazine of Nat. Hist. London, Sept., 1840. Vol. vi, p. 77.)

Wood, Thomson, La Hontan, &c.—In the descriptions of New England, Virginia, and other parts of North America, published in the seventeenth and eighteenth centuries, occur many notices of the Shells of the country. Of no scientific value, they are still interesting to the Conchologist. As samples, I quote the following:—

Anonymous.—A perfect description of Virginia; being a full and true Relation of the present State of the Plantation, their Health, Peace, and Plenty; the number of people, with their abundance of Cattell, Fowl, Fish, &c. &c. &c. London: Printed for Richard Wodenoth, at the Star, under Peter's Church, in Cornhill. 1649.

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18 Fish are there in their kinde, above Thirty sorts:—

No. 28. Oysters.

No. 29. Cockles.

No. 30. Mussles.

Thomson.—*New England's Crisis*: by BENJAMIN THOMPSON, about 1676.
(The Prologue commences thus:)—

The times wherein old Pompon was a saint,
When men far'd hardly, yet without complaint,
On vilest Cates, the dainty Indian maize
Was eat with Clamp Shells, out of wooden Trays, &c.

Wood.—*New England's Prospect*; a true, lively, and experimental description of that part of America commonly called New England; discovering the State of that Country, both as it stands to our new-come English Planters, and to the Native Inhabitants. Laying down that which may both enrich the knowledge of the mind-travelling Reader, or benefit the future Voyager: by WILLIAM WOOD. London: Printed by John Dawson, and to be sold by John Bellamy, at his Shop, at the three Golden Lyons in Cornhill, neere the Royall Exchange. 1639.

[Chapter ix. treats of Fish, giving interesting accounts of the habits and collecting of Oysters, Clams, &c., on p. 29, 30, 31. On page 28 occurs the following:—W. G. B.]

KINDS OF SHELL-FISH.

The luscious Lobster, with the Crab-fish raw,
The British Oyster, Muscle, Periwigge,
And tortoise sought by the Indian's Squaw,
Which to the flatts dance many a winter's Jigge,
To dive for Cockles, and to digge for Clams,
Whereby her lasie husband's guts she crammes.

[This valuable work was reprinted at "Boston, New England, by Thomas and John Fleet, in Cornhill; and Green and Russell, in Queen-Street, 1764," as a third edition. The above lines are on p. 33 of the reprint.—W. G. B.]

La Hontan.—*New Voyages to North America*, containing an account of the several Nations of that vast Continent, &c., written in French by the Baron LAHONTAN, &c. Done into English. Second edition. London, 1735, vol. i.

[This is an English translation of a work the second edition of which was published at "La Haye, 1706," the Shells being noticed in vol. ii. pp. 54 and 56.—W. G. B.]

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THE SHELL FISH.

Little Lobsters.
Crab Fish.
Cockles.
Muscles.

Shumard.—Catalogue of the Naiades of Jefferson County, Kentucky: by B. F. SHUMARD, M. D. (From the Naturalist's Journal of Agriculture, Horticulture, Education and Literature, Franklin College, Tennessee. Vol. I. No. 3. March, 1856.)

[This title was given me by Mr. Tryon. I have not been able to find the work.—W. G. B.]

Lea.—Reprint of Papers read and remarks made before the Academy of Natural Sciences of Philadelphia, in 1857–8. Philadelphia, 1858. Also of those in 1859–60. Philadelphia, 1860.

[The species have already been quoted from the Proceedings of the Acad.—W. G. B.]

Cooper.—Report on the Mollusca of the Survey: by WILLIAM COOPER. In the 2d part of the 12th volume of the Pacific Railroad Reports.

[This is the same as afterwards appeared in Cooper and Suckley's Natural History of Washington Territory, &c., which has been quoted on p. 274. The paging as there given is of the Pacific Railroad Report. In the separate work the paging of Mr. Cooper's paper commences at page one; the text being the same.—W. G. B.]

Green.—Notes of a Naturalist: by JACOB GREEN, M. D. (From Doughty's Cabinet of Natural History. Vol. III. No. 2. Philadelphia, 1834.)

[Only four numbers of the third volume of this work were ever published, and these are rarely preserved in Libraries, even those containing the first and second volumes complete.—W. G. B.]

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35 *Helix pomum-Adami Green.*

Kirtland.—New locality of *Limnea megasoma* Say: by Dr. J. P. KIRTLAND. (From Annals of Science, &c., including the Transactions of the Cleveland Academy of Natural Sciences. Conducted by Hamilton A. Smith, A. M. Cleveland. Vol. II, No. 1. Jan. 1854.)

Page.

6 *Limnea megasoma* Say. Alliance, Mahoning river.

Mussey.—The Proceedings of the National Institute at Washington contain several lists of Shells presented the Society. On p. 297, of 1848, is one—Ohio Valley Shells—presented by Dr. R. D. Mussey. There are no descriptions. The typographical errors are too numerous to repeat.

Dewey.—List of Naiades found in Western New York, and sent to the State collection at Albany, with some chiefly from Ohio: by Prof. C. Dewey. (From Ninth Annual Report on the Condition of the State Cabinet of Natural History. Albany, 1856.)

[No descriptions are given, but some remarks on variation, locality, &c. There are several lists of Shells in the State Cabinet published in some of the other annual Reports, such as the Twelfth, and the Catalogue of the Collection—but they are not accompanied by descriptions, and rarely by localities.—W. G. B.]

Page.		Page.	
32	Unio alatus Say. <i>Mya alata</i> Wood.		<i>U. coarctata</i> Lam. <i>rarisulcata</i> Lam.
33	radiatus Lam. <i>U. Virginiana</i> Lam. <i>Mya radiata</i> Wood.		<i>sulcidens</i> Lam. <i>glabrata</i> Lam.
33	Novi-Eboraci Lea.	35	Unio cariosus Say.
33	iris Lea.	35	rectus Lam.
33	rubiginosus Lea. <i>U. flavus</i> Conr.		<i>U. praelongus</i> Barnes. <i>Mya praelonga</i> Wood.
33	gracilis Barnes. <i>U. planus</i> Barnes. <i>fragilis</i> Swains.	35	rosaceus De Kay.
33	luteolus Lam. <i>U. siliquoides</i> Barnes. <i>inflatus</i> Barnes.	36	[I omit the Ohio Shells.—W.G.B.]
34	pressus Lea. <i>U. compressus</i> De Kay.	36	Margaritana rugosa Lea. <i>Alasmodon rugosa</i> De Kay.
34	complanatus Lea. <i>U. purpureus</i> Say. <i>Mya complanata</i> Sol. <i>rigida</i> Wood.	36	marginata Lea. <i>Alasm. marginata</i> De Kay. <i>truncata</i> Say.
34	purpurascens Lam. <i>U. rhombula</i> Lam. <i>Georgina</i> Lam. <i>carinifera</i> Lam.	37	undulata Lea. <i>Alasm. undulata</i> De Kay.
		37	Anodonta gigantea Lea. <i>A. grandis</i> Raf.?
		37	pavonia Lea.
		37	Footiana Lea.
		37	Lewisii Lea. <i>A. fluviatilis</i> De Kay. <i>cataracta</i> Say.
		37	fragilis Lam.

Page.		Page.	
	Anodonta Ferussaciana Lea.		Anodonta undulata Say.
38	subcylindrica Lea.		<i>Unio Pennsylvanica</i> Lam.
	edentula Lea.		cylindrica Lea?
	<i>Unio areolatus</i> Sw.		Benedictensis Lea.
			imbecillis Say.

Parker.—Description of a new species of *Helix*: by SAMUEL J. PARKER. In Proc. American Ass. Adv. Science. Vol. IV, p. 348. 1841. And

Agassiz.—Criticism on the same: by LOUIS AGASSIZ.

[I introduce these references on account of their being included in Mr. Tryon's Catalogue of American Conchological Writings. No specific name or description was given of the supposed new species.—W. G. B.]

Billings.—Notes on the Natural History of the Mountain of Montreal. (From the Canadian Naturalist and Geologist, vol. ii, No. 2. May, 1857, p. 92.) Terrestrial Mollusca, p. 97: by E. B. [E. BILLINGS.]

Page	Fig.	
98	2, 3	Helix albolabris Say.
99	4, 5	alternata Say.
100	6	monodon Rackett.

Anonymous.—Description of some of the Fresh-water Gastropoda inhabiting the Lakes and Rivers of Canada. (From the same as the last article, vol. ii, No. 3. July, 1857.)

Page. Fig.		Page.	
196 1, 2	Limnæastagnalis Linn.	206 (fig.)	Planorbis deflectus Say.
197 (fig.)	columella Say.	207 (fig.)	exacutus Say.
197 (fig.)	var. <i>chalybea</i> .	208 (fig.)	parvus Say.
198 (fig.)	macrostoma Say.	209 (fig.)	dilatatus .
198 (fig.)	desidiosa Say.	209 (fig.)	Physa heterostropha
199 (fig.)	elodes Say.	211 (fig.)	ancillaria Say. [Say.
201 (fig.)	catascopium Say.	211 (fig.)	elongata Say.
202 (fig.)	Planorbis trivolvis S.	212 (fig.)	Ancylus rivularis Say.
203 (fig.)	lentus Say.	212 (fig.)	fuscus Adams.
204 (fig.)	bicarinatus Rackett.	213 (fig.)	Valvata tricarinata S.
204 (fig.)	campanulatus Say.	214 (fig.)	pupoides Gould.
205 (fig.)	armigerus Say.	214 (fig.)	Amnicola porata Say.
206 (fig.)	hirsutus Gould.		

Dawson.—A Week in Gaspé, p. 321. Marine Invertebrates collected in Gaspé Bay, lat. 48°, 45' N. Aug. 1858, p. 320: by J. W. D. [Dr. Dawson.] (From same as last, vol. iii, No. 5. Oct. 1858.)

Page.		Page.	
329	<i>Loligo illecebrosa.</i>	330	<i>Saxicava rugosa.</i>
329	<i>Fusus pyramidatus (rufus).</i>	330	<i>Machæra costata.</i>
329	<i>Buccinum undatum.</i>	330	<i>Solen ensis.</i>
329	<i>trivittatum.</i>	330	<i>Tellina calcarea.</i>
329	<i>Purpura lapillus.</i>		<i>T. proxima.</i>
330	<i>Natica heros.</i>	330	<i>Grœnlandica.</i>
330	<i>Grœnlandica.</i>	330	<i>tenera.</i>
330	<i>clausa.</i>	330	<i>Aphrodite Grœnlandica.</i>
330	<i>Turritella erosa.</i>	330	<i>Cardium Islandicum.</i>
330	<i>Lacuna vinota.</i>	330	<i>pinnulatum.</i>
330	<i>Littorina palliata.</i>	330	<i>Astarte sulcata.</i>
330	<i>rudis.</i>	330	<i>Cardita borealis.</i>
330	<i>Margarita undulata.</i>	330	<i>Mytilus edulis.</i>
330	<i>helicina.</i>	330	<i>Modiola modiolus.</i>
	<i>M. arctica.</i>	330	<i>decussata.</i>
330	<i>Lottia testudinalis.</i>		<i>M. glandula.</i>
330	<i>Acmæa cæca.</i>	330	<i>Leda limatula.</i>
330	<i>Chiton marmoreus.</i>	330	<i>Pecten Islandicus.</i>
330	<i>Mya arenaria.</i>	330	<i>Magellanicus.</i>
330	<i>truncata.</i>	330	<i>Anomia ephippium.</i>
330	<i>Glycimeris alliqua.</i>	330	<i>var. aculeata.</i>

Dawson.—On the Newer Pliocene and Post-Pliocene Deposits of the Vicinity of Montreal, with notices of Fossils recently discovered in them: by J. W. Dawson, L. L. D., &c. (From the same as last, Canadian Naturalist, vol. ii, No. 6. Dec. 1857.) And Additional Notes on the Post-Pliocene Deposits of the St. Lawrence Valley, vol. iv, No. 1. Feb. 1859.

[There are several lists of fossil Shells specified in these papers as also found recent.—W. G. B.]

Carpenter.—Note on the Mollusks and Radiates from Labrador: by P. P. CARPENTER. (From the same as last, vol. iv, part 2. April, 1859.)

Page.		Page.	
158	<i>Buccinum undatum.</i>	158	<i>Lottia (Tectura) testudi-</i>
158	<i>Trophon (Fusus) scalariforme.</i>	158	<i>Saxicava rugosa. [nalis.</i>
158	<i>Rostellaria occidentalis.</i>	158	<i>Mya arenaria.</i>
158	<i>Littorina rudis.</i>	158	<i>Solen ensis.</i>
158	<i>Littorea.</i>	158	<i>Tellina Groenlandica.</i>
	<i>L. palliata.</i>	158	<i>Mytilus edulis.</i>
158	<i>Margarita helecina.</i>	158	<i>Pecten Magellanicus.</i>
	<i>M. arctica.</i>		

Bell.—Notes on the Natural History of the Gulf of St. Lawrence, and the distribution of the Mollusca of Eastern Canada: by ROBERT BELL, Jr. (From the same as last, vol. iv, part 3, p. 197. June, 1859.)

[The localities, but no descriptions are given.—W. G. B.]

Page.		Page.	
210	<i>Fusus scalariformis.</i>	211	<i>Rostellaria occidentalis.</i>
210	<i>Islandicus.</i>	211	<i>Rissoa minuta.</i>
210	<i>tornatus.</i>	211	<i>Lacuna vinota.</i>
210	<i>decemcostatus.</i>	211	<i>Littorina palliata.</i>
210	<i>rufus.</i>	211	<i>rudis.</i>
210	<i>Bamffius.</i>	211	<i>tenebrosa.</i>
210	<i>Pleurotoma bicarinata.</i>	211	<i>Margarita cinerea.</i>
210	<i>Buccinum undatum.</i>	211	<i>undulata.</i>
211	<i>Donovani.</i>	211	<i>helicina.</i>
211	<i>Nassa trivittata.</i>	212	<i>Skenea costulata.</i>
211	<i>obsoleta.</i>	212	<i>Diadora noachina.</i>
211	<i>Purpura lapillus.</i>	212	<i>Crepidula fornicata.</i>
211	<i>Trichotropis borealis.</i>	212	<i>plana.</i>
211	<i>Velutina haliotoides.</i>	212	<i>Acmaea (Lottia) testudina.</i>
	<i>V. laevigata.</i>	212	<i>cæca. [lis.</i>
211	<i>Lamellaria perspicua.</i>	212	<i>Chiton marmoreus.</i>
211	<i>Natica heros.</i>	212	<i>Planorbis trivolvus.</i>
211	<i>clausa.</i>	212	<i>campanulatus.</i>
211	<i>triseriata.</i>	212	<i>bicarinatus.</i>
211	<i>flava?</i>	212	<i>lentus.</i>
211	<i>helicoïdes.</i>	212	<i>parvus.</i>

Page.		Page.	
212	<i>Physa heterostropha.</i>	216	<i>Osteodesma hyalina.</i>
213	<i>aurea.</i>	216	<i>Machæra costata.</i>
213	<i>ancillaria.</i>	216	<i>Solen ensis.</i>
213	<i>elongata.</i>	216	<i>Tellina proxima.</i>
213	<i>Limnæa megasoma.</i>		<i>T. calcarea.</i>
213	<i>jugularis.</i>	216	<i>Grœnlandica.</i>
	<i>L. stagnalis.</i>	216	<i>Macra ovalis.</i>
213	<i>caperata.</i>		<i>M. ponderosa.</i>
213	<i>umbrosa.</i>	216	<i>Mesodesma arotatum.</i>
213	<i>elodes.</i>	217	<i>Venus mercenaria.</i>
213	<i>catascopium.</i>	217	<i>gemma.</i>
213	<i>opacina.</i>	217	<i>Aphrodite Grœnlandica.</i>
213	<i>acuta.</i>	217	<i>Cardium Islandicum.</i>
213	<i>Ancylus rivularis.</i>	217	<i>Cardita borealis.</i>
213	<i>Paludina decisa.</i>	217	<i>Astarte sulcata.</i>
213	<i>Melania acuta</i>	217	<i>Lucina flexuosa.</i>
213	<i>Niagarensis.</i>	217	<i>Lima subauriculata.</i>
213	<i>Amnicola porata.</i>	217	<i>Mytilus edulis.</i>
213	<i>Valvata tricarinata.</i>	218	<i>Modiola discors.</i>
213	<i>sincera.</i>		<i>M. discrepans.</i>
214	<i>Helix alternata.</i>	218	<i>plicatula.</i>
214	<i>albolabris.</i>	218	<i>glandula.</i>
214	<i>monodon.</i>	218	<i>pectinula.</i>
214	<i>exoleta.</i>	218	<i>nexa.</i>
214	<i>tridentata.</i>	218	<i>Leda limatula.</i>
214	<i>concava.</i>	218	<i>Nucula tenuis.</i>
214	<i>hortensis.</i>	218	<i>Pecten Magellanicus.</i>
215	<i>arborea.</i>	218	<i>Islandicus.</i>
215	<i>striatella.</i>	219	<i>Anomia ephippium.</i>
215	<i>lineata.</i>	219	<i>Terebratulæ psittacea.</i>
215	<i>labyrinthica.</i>		<i>Hippothyris.</i>
215	<i>pulchella.</i>	219	<i>Ascidium ———.</i>
215	<i>electrina.</i>	219	<i>Unio radiatus.</i>
215	<i>chersina.</i>	219	<i>complanatus.</i>
215	<i>Bulimus lubricus.</i>	219	<i>gibbosus.</i>
215	<i>harpa.</i>	219	<i>ventricosus.</i>
215	<i>Vitrina pellucida.</i>	219	<i>ellipsis.</i>
215	<i>Succinea ovalis.</i>	219	<i>rectus.</i>
215	<i>avara.</i>	219	<i>alatus.</i>
215	<i>obliqua.</i>	220	<i>Margaritana rugosa.</i>
216	<i>Pholas crispata.</i>	220	<i>marginata.</i>
216	<i>Saxicava rugosa.</i>	220	<i>arcuata.</i>
216	<i>Mya arenaria.</i>		<i>M. margaritifera.</i>
216	<i>truncata.</i>	220	<i>undulata.</i>
216	<i>Glycimeris siliqua.</i>	220	<i>Anodonta subcylindracea.</i>

Page.		Page.	
220	<i>Anodonta pavonia.</i>	220	<i>Cyclas similis.</i>
220	<i>fluviatilis?</i>	220	<i>orbiculata.</i>
		220	<i>dubia.</i>

Lea.—Observations on the genus *Unio*, &c.: by ISAAC LEA, LL. D., President of the Academy of Natural Sciences of Philadelphia, &c.

[Under this title are collected in seven volumes all the descriptions of Mollusca by this author. The original papers were published in the Transactions of the American Philosophical Society, and the Journal of the Academy of Natural Sciences of Philadelphia (new series.) Short diagnoses were also published in the Proceedings of the same Societies. In the following list the numerous foreign species are omitted. As great confusion has arisen regarding the synonymy of the American *Naiades*, owing principally to questions of priority of publication, I have given the dates of the various papers of Mr. Lea as carefully as possible. In the earlier volumes of the Philosophical Society many of Mr. Lea's papers were published anterior to the completion of the whole volume, but, as no separate dates are given, I am unable to do justice to Mr. Lea. I know of no other rule than to take the date of the title page of the complete volume, unless some other date is given to the separate parts, or with the signatures of the printers.

Any one desiring further information regarding the actual printing of the various papers is referred to Mr. Lea's "Rectification," in the Proceedings of the Philadelphia Academy.

Reference is given to the Transactions of the Philosophical Society and Journal of the Academy, as well as to the volumes of the "Observations," the numbering of the plates being the same in each.—W. G. B.]

Trans. Vol. iii, 1830.			Obs.		Name.	Locality.
Pl.	Fig.		V.	Pl.		
259			i	1	Lea. —Descriptions of six new species of the genus <i>Unio</i> , embracing the anatomy of the oviduct of one of them, together with some Anatomical Observations on the Genus. (From Trans. Am. Phil. Soc. (n. s.), vol. iii, p. 259. Date of title, 1830.)	
265	iii	1	i	7	<i>Unio calceolus</i> Lea.	Ohio.
266	iii	2	i	8	<i>lanceolatus</i> Lea.	Tar river, N. C.
267	iv	3	i	9	<i>donaciformis</i> Lea.	Ohio.
268	iv	4	i	10	<i>ellipsis</i> Lea.	Ohio.
269	v	5	i	11	<i>irroratus</i> Lea.	Ohio.
272	vi	8	i	14	<i>lachrymosus</i> Lea.	Ohio.

TRANS. Vol. III, 1830.			Obs.	Name.	Locality.
Pa.	Pl.	Fig.	V. Pa.		
403			i 17	Lea. —Description of a new genus of the family of Naiades, including eight species, four of which are new; also the description of eleven new species of the Genus Unio from the rivers of the United States; with observations on some of the characters of the Naiades, &c. &c.	
				On p. 415 is the following Synonymy of the species.	
415			i 29	Unio radiatus. ¹	
				<i>U. Virginiana</i> Lam.	
416			i 30	complanatus Solander.	
				<i>U. purpureus</i> Say.	
				<i>U. rarisulcata</i> Lam.	
				<i>U. coarctata</i> Lam.	
				<i>U. purpurascens</i> Lam.	
				<i>U. rhombula</i> Lam.	
				<i>U. carinifera</i> Lam.	
				<i>U. georgina</i> Lam.	
				<i>U. sulcidens</i> Lam.	
				<i>U. Caroliniana</i> Bosc.	
				<i>U. fluviatilis</i> Green.	
417			i 31	ovatus Say.	
417			i 31	cariosus Say.	
				<i>U. luteola</i> Lam.	
				<i>U. crassus</i> Say.	
				<i>U. carinatus</i> Barnes.	
				<i>U. ellipticus</i> Barnes.	
417			i 31	nasutus Say.	
				<i>U. rostrata</i> Val.	
417			i 31	cylindricus Say.	
				<i>U. naviformis</i> Lam.	
417			i 31	subtentus Say.	
417			i 31	plicatus Lesueur.	
				<i>U. crassidens</i> Lam. ?	
				<i>U. Peruvianus</i> Lam.	
				<i>U. rariPLICATA</i> Lam.	
				<i>U. undulatus</i> Barnes.	
				<i>U. crassus</i> Barnes.	
				<i>U. Dombeyana</i> Val.	
418			i 32	rectus Lam.	
				<i>U. praelongus</i> Barnes.	

¹ In these and the following pages will be found a great deal of information regarding Synonymy, which I have not been able to include in my extract.—W. G. B.

TRANS. Vol. III, 1830.		Obs.		Name.
I'a.	Pl. Fig.	V.	Pa.	
				<i>U. nasuta</i> Lam.
				<i>U. purpurata</i> Lam.
418		i	32	<i>Unio torsus</i> Raf.
418		i	32	<i>mytiloides</i> Raf.
				<i>U. undatus</i> Barnes.
418		i	32	<i>metanever</i> Raf.
				<i>U. nodosus</i> Barnes.
				<i>U. rugosus</i> Barnes.
418		i	32	<i>scalenius</i> Raf.
418		i	32	<i>cornutus</i> Barnes.
419		i	33	<i>verrucosus</i> Barnes.
				<i>U. tuberculosa</i> Val.
				<i>U. verrucosa</i> Val.
419		i	33	<i>tuberculatus</i> Barnes.
419		i	33	<i>gibbosus</i> Barnes.
				<i>U. mucronatus</i> Barnes.
419		i	33	<i>cuneatus</i> Barnes.
419		i	33	<i>ventricosus</i> Barnes.
419		i	33	<i>alliquoides</i> Barnes.
				<i>U. inflatus</i> Barnes.
419		i	33	<i>triangularis</i> Barnes.
420		i	34	<i>parvus</i> Barnes.
420		i	34	<i>æsoopus</i> Green
420		i	34	<i>calceolus</i> Lea.
420		i	34	<i>lanceolatus</i> Lea.
420		i	34	<i>donaciformis</i> Lea.
420		i	34	<i>ellipsis</i> Lea.
420		i	34	<i>irroratus</i> Lea.
420		i	34	<i>lachrymosus</i> Lea.
420		i	34	<i>ater</i> Lea.
420		i	34	<i>rubiginosus</i> Lea.
420		i	34	<i>heterodon</i> Lea.
420		i	34	<i>sulcatus</i> Lea.
420		i	34	<i>planulatus</i> Lea.
420		i	34	<i>circulus</i> Lea.
420		i	34	<i>multiradiatus</i> Lea.
420		i	34	<i>occidens</i> Lea.
420		i	34	<i>securis</i> Lea.
421		i	35	<i>iris</i> Lea.
421		i	35	<i>zig-zag</i> Lea.
421		i	35	<i>patulus</i> Lea.

From p. 421 to 426 is a review of Lamarck's species of Naiades.

TRANS.			OBS.		Name.	Locality.
Vol. III, 1830.			V. Pa.			
Pa.	Pl.	Fig.	V.	Pa.		
426	vii	9	i	40	<i>Unio ater</i> Lea.	Miss. r. bel. Natchez.
427	viii	10	i	41	<i>rubiginosus</i> Lea.	Ohio.
428	viii	11	i	42	<i>heterodon</i> Lea.	Sch. & Derby cr. Pa.
430	viii	12	i	44	<i>sulcatus</i> Lea.	Ohio.
431	ix	13	i	45	<i>planulatus</i> Lea.	Ohio.
433	ix	14	i	47	<i>circulus</i> Lea.	Cincinnati, Pittsb'g,
					<i>U. rotundata</i> Lam. ?	[Natchez.
434	ix	15	i	48	<i>multiradiatus</i> Lea.	Ohio.
435	x	16	i	49	<i>occidens</i> Lea.	Ohio.
437	xi	17	i	51	<i>securis</i> Lea.	Ohio.
					<i>U. depressa</i> Raf. preoc.	
439	xi	18	i	53	<i>iris</i> Lea.	Ohio.
440	xii	19	i	54	<i>zig zag</i> Lea.	Ohio.
441	xii	20	i	55	<i>patulus</i> Lea.	Ohio.
442			i	56	<i>Symphynota</i> Lea. (n. g.)	
444	xiii	23	i	58	<i>lævissima</i> Lea.	Ohio.
448			i	62	<i>alata</i> Say.	Western waters.
					<i>Unio alatus</i> Say.	
448			i	62	<i>complanata</i> Barnes.	Fox riv. Wisc., O.
					<i>Alasm. complanata</i> Barn.	
450	xii	22	i	64	<i>compressa</i> Lea.	O., Albany.
452			i	66	<i>gracilis</i> .	Ohio, Wisconsin.
					<i>U. gracilis</i> Barnes.	
					<i>U. fragilis</i> Swains.	
					<i>U. planus</i> Barnes.	
453	xi	21	i	67	<i>tenuissima</i> Lea.	Ohio.
455			i	69	<i>ochracea</i> .	Sch. and Del. rivers.
					<i>U. ochraceus</i> Say.	
Vol. iv, 1834.					Name.	Locality.
63			i	73	Lea.—Observations on the Naiades, and descriptions of new species of that and other families.	
					Date of title of vol. iv, 1834.	
69	iii	1	i	79	<i>Unio trapezoides</i> Lea.	Lake St. Joseph, La.
70	iv	2	i	80	<i>multiplicatus</i> Lea.	Tenn. and Ohio rivs.
71	v	3	i	81	<i>asperimus</i> Lea.	Ohio.
72	vi	4	i	82	<i>Congareus</i> Lea.	Congaree river, S. C.
73	vi	5	i	83	<i>oriens</i> Lea.	Ohio river.
75	vi	6	i	85	<i>brevicens</i> Lea.	Ohio.
76	vii	7	i	86	<i>pustulosus</i> Lea.	Ohio and Alabama r.
77	vii	8	i	87	<i>stapes</i> Lea.	Alabama river.
79	vii	9	i	89	<i>pustulatus</i> Lea.	Ohio, Tennessee.
80	viii	10	i	90	<i>lens</i> Lea.	Ohio, Tennessee.
81	viii	11	i	91	<i>anodontoides</i> Lea.	Ala., O., Miss. rivs.

TRANS. Vol. iv, 1834.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
82	viii	12	i	92	<i>Unio glans</i> Lea.	Ohio river.
83	ix	13	i	93	<i>elegans</i> Lea.	Ohio river.
84	ix	14	i	94	<i>ebenus</i> Lea.	Ohio river.
85	ix	15	i	95	<i>asper</i> Lea.	Alabama river.
86	x	16	i	96	<i>fabalis</i> Lea.	Ohio river.
87	x	17	i	97	<i>soleniformis</i> Lea.	Ohio river.
89	x	18	i	99	<i>acutissimus</i> Lea.	Alabama river.
90	xi	20	i	100	<i>varicosus</i> Lea.	Ohio river.
91	xi	21	i	101	<i>castaneus</i> Lea.	Alabama river.
92	xii	23	i	102	<i>decisus</i> Lea.	Alabama river.
94	xii	24	i	104	<i>cuprinus</i> Lea.	Mexico.
96	xiii	26	i	106	<i>obesus</i> Lea.	York river, Va.
99	xiv	28	i	109	<i>Symphynota inflata</i> Lea.	Alabama river.
100	xv	30	i	110	<i>Melania subularis</i> Lea.	Niagara river.
101	xv	31	i	111	<i>tuberculata</i> Lea.	Tennessee river.
101	xv	32	i	111	<i>acuta</i> Lea.	Tennessee river.
102	xv	33	i	112	<i>Helix Carolinensis</i> Lea.	Cheraw, S. C.
103	xv	34	i	113	<i>Carocolla helicoides</i> Lea.	Nashville, Tenn.
					<i>H. palliata</i> (var. a.) Say?	
104	xv	35	i	114	<i>spinosa</i> Lea.	Claiborne, Ala.
104	xv	36	i	114	<i>Valvata arenifera</i> Lea.	Nashville, Tenn.
109	xvi	39	i	119	<i>Unio pyramidatus</i> Lea.	Ohio.
					<i>U. undatus</i> Barn. (var. a.)?	
110	xvi	40	i	120	<i>trigonus</i> Lea.	Ohio river.
111	xvi	41	i	121	<i>formosus</i> Lea.	Ohio river.
112	xvii	42	i	122	<i>perplexus</i> Lea.	Ohio river.
114	xvii	43	i	124	<i>angustatus</i> Lea.	Congaree and Cooper
116	xvii	44	i	126	<i>arcæformis</i> Lea.	Tenn. r. [rivs., S. C.
117	xviii	45	i	127	<i>subrotundus</i> Lea.	Ohio.
118	xviii	46	i	128	<i>subovatus</i> Lea.	Ohio river.
119	xviii	47	i	129	<i>pileus</i> Lea.	Ohio river.
120	xv	29	i	130	<i>Melania elongata</i> Lea.	Western Tenn.
122			i	132	Lea.—Description of a new genus of the family Melaniana of Lamarck.	
122			i	132	<i>Io</i> Lea (n. g.)	
122	xv	37	i	132	<i>fusiformis</i> Lea.	Holston river.
					<i>Fusus fluviatilis</i> Say.	
Vol. v, 1837.						
23			i		Lea.—Observations, &c. continued. Date of title of vol. v., 1837.	
27			i	139	<i>Valvata arenifera</i> = <i>Phrygania</i> .	
29	ii	2	i	141	<i>Unio capillaris</i> Lea.	Ohio.

TRANS. Vol. v, 1837.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
30	ii	3	i	142	Unio subglobosus <i>Lea.</i>	Bayou Teche, La.
31	ii	4	i	143	capsæformis <i>Lea.</i>	Cumberland river.
32	iii	5	i	144	Ravenelianus <i>Lea.</i>	French Br. r., N. C.
35	iii	7	i	147	Haysianus <i>Lea.</i>	Cumberland river.
36	iii	8	i	148	Hildrethianus <i>Lea.</i>	Marietta, O.
37	iii	9	i	149	Schoolcraftensis <i>Lea.</i>	Fox riv., Green Bay.
38	iv	10	i	150	geometricus <i>Lea.</i>	Bayou Teche, La.
39	iv	11	i	151	Taitianus <i>Lea.</i>	Alabama river.
41	iv	12	i	153	Symphynota globosa <i>Lea.</i>	Ohio river.
45	vi	15	i	157	Anodonta Ferussaciana	Ohio river.
46	vi	16	i	158	incerta <i>Lea.</i>	[<i>Lea.</i> Ohio river.
47	vi	17	i	159	Stewartiana <i>Lea.</i>	River Teche, La.
48	vii	18	i	160	plana <i>Lea.</i>	Bear Grass cr., Louis-
58	xix	71	i	170	Paludina bimonilifera <i>Lea.</i>	Alabama r. [ville.
61	viii	21	i	173	Unio Cooperianus <i>Lea.</i>	Alabama river.
63	ix	23	i	175	Conradicus <i>Lea.</i>	
68	x	28	i	180	Sowerbyanus <i>Lea.</i>	Tennessee. [Tenn.
70	x	29	i	182	dromas <i>Lea.</i>	Harp. and Cum. riv.,
71	x	30	i	183	Troostensis <i>Lea.</i>	Cumberland river.
72	xi	31	i	184	perdix <i>Lea.</i>	Harpeth river, Tenn.
73	xi	32	i	185	pictus <i>Lea.</i>	[<i>Lea.</i> Harpeth river, Tenn.
84	xix	78	i	196	Achatina Vanuxemensis	Mexico.
85			i	197	striata.	
					<i>Cochlicopea rosea</i> Fer.	
					<i>Polyphemus glans</i> Say.	
86			i	198	Lea. —Observations on Lamark's Collection of Nalades.	
					[Both foreign and American species.—W. G. B.]	
86			i	198	Unio crassissima <i>Klein.</i>	
					<i>U. sinuata.</i>	
87			i	199	<i>U. elongata</i> = <i>Mya margaritifera.</i>	
87			i	199	crassidens.	
					<i>U. cuneatus.</i>	
87			i	199	<i>U. crassidens</i> (var. a.) = <i>trapezoides</i> <i>Lea.</i>	
87			i	199	<i>U. Peruviana</i> = <i>plicatus</i> <i>Les.</i>	
87			i	199	purpurata <i>Lam.</i>	
					<i>U. ater</i> <i>Lea.</i>	
88			i	200	<i>U. ligamentina</i> = <i>crassus</i> <i>Say.</i>	
88			i	200	<i>U. obliqua</i> = <i>undatus</i> <i>Barnes.</i>	
88			i	200	<i>U. retusa</i> = <i>torsus</i> <i>Ruf.</i>	
88			i	200	<i>U. rarisulcata</i> = <i>complanatus.</i>	
88			i	200	<i>U. coarctata</i> = <i>complanatus.</i>	

TRANS. Vol. V, 1837.		Obs.		Name.
Pa.	Pl. Fig.	V.	Pa.	
88		i	200	<i>U. purpurascens</i> = <i>complanatus</i> .
88		i	200	Unio radiata.
88		i	200	<i>U. brevis</i> = <i>littoralis</i> .
88		i	200	<i>U. rhombula</i> = <i>complanatus</i> .
89		i	201	<i>U. carinifera</i> <i>complanatus</i> .
89		i	201	<i>U. Georgina</i> = <i>complanatus</i> .
89		i	201	<i>U. clava</i> = <i>scalenia</i> Raf. (<i>modioliformis</i> Say.)
89		i	201	recta =
				<i>U. praelongus</i> Barnes.
89		i	201	<i>U. naviformis</i> = <i>cylindricus</i> .
89		i	201	<i>U. nasuta</i> <i>gibbosus</i> .
89		i	201	<i>U. ovata</i> = <i>ovatus</i> Say.
89		i	201	<i>U. rotundatus</i> <i>suborbiculata</i> .
89		i	201	<i>U. subglobosus</i> Lea = <i>globulus</i> Say.
89		i	201	<i>littoralis</i> = <i>U. semirugata</i> Lam.
90		i	202	<i>U. incurvus</i> Lea
90		i	202	<i>U. semirugata</i> <i>littoralis</i> .
90		i	202	<i>U. nana</i> = <i>littoralis</i> .
90		i	202	<i>U. delodonta</i> = <i>lacteolus</i> ?
90		i	202	<i>U. sulcidens</i> <i>complanatus</i> .
90		i	202	<i>U. rostrata</i> = <i>pictorum</i> .
90		i	202	Batava.
91		i	203	<i>U. nodulosa</i> = <i>ovata</i> .
91		i	203	<i>U. varicosa</i> = <i>Alasmodonta marginata</i> .
91		i	203	granosa.
91		i	203	depressa.
91		i	203	<i>U. Virginiana</i> = <i>radiatus</i> .
91		i	203	luteola.
				<i>U. siliquioideus</i> Barnes.
91		i	203	angusta.
91		i	203	<i>U. manca</i> = <i>pictorum</i> .
92		i	204	<i>U. curiosa</i> = <i>Alasmodonta marginata</i> .
92		i	204	spuria.
92		i	204	australis.
92		i	204	<i>U. anodontina</i> = <i>marginalis</i> .
92		i	204	<i>U. suborbiculata</i> = <i>rotundata</i> .
92		i	204	Hyria avicularis = <i>Mya syrmatophora</i> .
92		i	204	corrugata.
92		i	204	Anodonta cygnea.
				<i>Mytilus cygneus</i> .
93		i	204	An. anatina.
93		i	205	<i>An. sulcata</i> = <i>An. cygnea</i> .
93		i	205	An. fragilis.

TRANS. Vol. v, 1837.			Obs.	Name.	Locality.
Pa.	Pl.	Fig.	V. Pa.		
93			i 205	<i>An. rubens.</i>	
93			i 205	<i>An. crispata.</i>	
93			i 205	<i>An. uniopsis.</i>	
93			i 205	<i>An. Pennsylvanica</i> = <i>undulata</i> Say (<i>rugosus</i> Sw.)	
93			i 205	<i>An. intermedia</i> = <i>anatina.</i>	
93			i 205	<i>An. intermedia</i> Pfr. = <i>cygnea.</i>	
93			i 205	<i>An. trapezialis</i> = <i>giganteus.</i>	
93			i 206	<i>An. exotica.</i>	
94			i 206	<i>An. glauca.</i>	
94			i 206	<i>An. sinuosa.</i>	
94			i 206	<i>An. Patagonica.</i>	
94			i 206	<i>Iridina nilotica.</i>	
				<i>I. Clappertoni</i> Denman.	
95	xiii	38	i 207	<i>Unio Shepardianus</i> Lea.	Darien, Ga.
96	xiii	39	i 208	<i>fulvus</i> Lea.	S. C.
97	xiii	40	i 209	<i>modioliformis</i> Lea.	Santee canal, S. C.
98	xiv	41	i 210	<i>Kirtlandianus</i> Lea.	Mahoning, O.
100	xiv	43	i 212	<i>Nashvillianus</i> Lea.	Cumberland r., Ohio riv., Louisville.
101	xv	44	i 213	<i>Blandingianus</i> Lea.	St. John's riv., Fla.?
102	xv	45	i 214	<i>camelus</i> Lea.	Ohio river.
103	xv	46	i 215	<i>Griffithianus</i> Lea.	S. C.
103	xvi	47	i 215	<i>confertus</i> Lea. [<i>sis</i> Lea.	Santee canal, S. C.
104	xvi	48	i 216	<i>Symphynota Benedicten-</i>	Lake Champlain.
106	xvii	50	i 218	<i>Margaritana Ravenelliana</i>	French Broad and Lea. Swanandø r., N. C.
112	xix	79	i 224	<i>Io spinosa</i> Lea.	Holston river, Va.
114	xix	81	i 226	<i>Lymnæa acuta</i> Lea.	Philadelphia.
114	xix	82	i 226	<i>exilis</i> Lea.	Ohio.
115	xix	83	i 227	<i>Physa elliptica</i> Lea. [<i>Lea.</i>	
115	xix	84	i 227	<i>Ampullaria Hopetonensis</i>	Hopeton, Ga.
116	xix	85	i 228	<i>Paludina Georgiana</i> Lea.	Hopeton, Ga.
117	xix	86	i 229	<i>Succinea retusa</i> Lea.	Cincinnati, O.

Vol. vi, 1839.

Lea.—Descriptions of new Fresh Water and Land
Shells, from vol. vi, part 1, 1839.

1	i	1	ii	1	<i>Anodonta gigantea</i> Lea.	Port Gibson.
2	ii	2	ii	2	<i>ovata</i> Lea.	Marietta, O.
4	ii	4	ii	4	<i>Unio venustus</i> Lea.	O., Mo.
5	iii	5	ii	5	<i>Vaughanianus</i> Lea.	Camden, S. C.
6	iii	6	ii	6	<i>pulcher</i> Lea.	Nashville, Tenn.
7	iii	7	ii	7	<i>obscurus</i> Lea.	Nashville, Tenn.
8	iv	8	ii	8	<i>Fisherianus</i> Lea.	Chester river, Md.

TRANS. Vol. vi, 1839.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
9	iv	9	ii	9	<i>Unio jejunos Lea.</i>	Cam'n, Roanoke, S. C.
10	iv	10	ii	10	<i>arotior Lea.</i>	Cincinnati.
11	v	11	ii	11	<i>turgidus Lea.</i>	New Orleans.
12	v	12	ii	12	<i>coccineus Lea.</i>	Ohio.
13	v	13	ii	13	<i>solidus Lea.</i>	Ohio.
14	vi	14	ii	14	<i>Hydianus Lea.</i>	Louisiana.
15	vi	15	ii	15	<i>interruptus Lea.</i>	Harpeth river, Tenn.
17	xxiii	81	ii	17	<i>Paludina hyalina Lea.</i>	Poland, O.
17	xxiii	98	ii	17	<i>Melania inflata Lea.</i>	Indian creek, Va.
18	xxiii	106	ii	18	<i>Physa aurea Lea.</i>	Hot Spring, Va.
22	xxiii	104	ii	22	<i>Paludina pallida Lea.</i>	Cincinnati.
23	vii	17	ii	23	<i>Unio pumilus Lea.</i>	Black river, N. C.
24	vii	18	ii	24	<i>Tampicoensis Lea.</i>	Tampico, &c., Mex.
25	vii	19	ii	25	<i>Cumberlandicus Lea.</i>	Cumb'land r., Tenn.
26	viii	20	ii	26	<i>simus Lea.</i>	Cumb'land r., Tenn.
27	viii	21	ii	27	<i>Roanokensis Lea.</i>	Roanoke riv., N. C., Altamaha r., Ala.
28	viii	22	ii	28	<i>notatus Lea.</i>	Cumberland river.
28	ix	23	ii	28	<i>Jayensis Lea.</i>	Florida.
29	ix	24	ii	29	<i>Hopetonensis Lea.</i>	Hopeton.
30	ix	25	ii	30	<i>lugubris Lea.</i>	Hopeton.
31	x	26	ii	31	<i>Barnesianus Lea.</i>	Cumb'land r., Tenn.
32	x	27	ii	32	<i>Zeiglerianus Lea.</i>	Cumb'land r., Tenn.
33	x	28	ii	33	<i>creperus Lea.</i>	Tennessee.
34	x	29	ii	34	<i>glaber Lea.</i>	Holston riv., Tenn.
35	x	30	ii	35	<i>gibber Lea.</i>	Carryfork r., Tenn.
36	xi	31	ii	36	<i>Vanuxemensis Lea.</i>	Cumb'land r., Tenn.
37	xi	32	ii	37	<i>carbonarius Lea.</i>	Medellin riv., Mex.
38	xi	33	ii	38	<i>folliculatus Lea.</i>	Savannah river.
39	xii	34	ii	39	<i>Medellinus Lea.</i>	Medellin river, near Vera Cruz.
40	xii	35	ii	40	<i>Lecontianus Lea.</i>	Conochee river, Ga.
41	xii	36	ii	41	<i>Muhlfeldianus Lea.</i>	Cumb'land r., Tenn.
42	xiii	37	ii	42	<i>Margaritana Holstonia</i>	Holston river.
43	xiii	38	ii	43	<i>deltoidea Lea.</i> [Lea.	Cincinnati, O.
44	xiii	39	ii	44	<i>fabula Lea.</i>	Cumb'land r., Tenn.
45	xiii	40	ii	45	<i>Anodonta cylindracea Lea.</i>	Medellin r., near V.
45	xiv	41	ii	45	<i>salmonia Lea.</i>	Poland, O. [Cruz.
46	xiv	42	ii	46	<i>Wardiana Lea.</i>	Chillicothe, O.
47	xiv	43	ii	47	<i>Buchanensis Lea.</i>	Buck creek, O.
48-57	xv		ii	48-57	Anatomy of Naiades.	
57	xvi	50	ii	57	<i>Unio spinosus Lea.</i>	Altamaha, Ga.
61	xvii	53	ii	61	<i>pliciferus Lea.</i>	Mexico.

TRANS. Vol. vi, 1839.			OBS.		
Pa.	Pl.	Fig.	V.	Pa.	
62	xvii	55	ii	62	<i>Unio Tappanianus</i> Lea. Juniata river.
					<i>U. viridis</i> Conr. non.
					Raf.
64	xx	63	ii	64	<i>Anodonta decora</i> Lea. Ohio.
67	xxiii	82	ii	67	<i>Helix Wardiana</i> Lea. Ohio.
68	xxiii	83	ii	68	<i>Planorbis lens</i> Lea. Cincinnati.
69			ii	69	Note on <i>Carocolla spinosa</i> .
69	xix	60	ii	69	<i>Unio graniferus</i> Lea. Cincinnati.
70	xix	61	ii	70	<i>splendidus</i> Lea. Altamaha river, Ga.
71	xxii	69	ii	71	<i>Margaritana arcuata</i> Lea. Altamaha river, Ga.
73	xvii	54	ii	73	<i>Unio Dorfeullianus</i> Lea. Ohio.
76	xix	59	ii	76	<i>Menkianus</i> Lea. Harpeth river, Tenn.
77	xx	62	ii	77	<i>Anodonta Nuttalliana</i> Lea. Wahlamat riv., Or.
78	xx	64	ii	78	<i>Wahlamatensis</i> Lea. Wahlamat riv., Or.
78	xxi	65	ii	78	<i>pavonia</i> Lea. Little Beaver r., O.
79	xxi	66	ii	79	<i>Newtoniensis</i> Lea. Newtown cr., N. J.
80	xxi	67	ii	80	<i>Oregonensis</i> Lea. Wahlamat river.
87	xxiii	71	ii	87	<i>Helix Mitchelliana</i> Lea. Ohio.
87	xxiii	72	ii	87	<i>Vancouverensis</i> Lea. Fort Vancouver, Or.
88	xxiii	74	ii	88	<i>Nuttalliana</i> Lea. Fort Vancouver, Or.
89	xxiii	75	ii	89	<i>Columbiana</i> Lea. Fort Vancouver, Or.
91	xxiii	93	ii	91	<i>Paludina virens</i> Lea. Wahlamat, Or.
91	xxiii	103	ii	91	<i>nucula</i> Lea. Wahlamat, Or.
92	xxiii	109	ii	92	<i>Nickliniana</i> Lea. Hot Springs, Va.
92	xxiii	86	ii	92	<i>Melania Troostiana</i> Lea. Mossy creek, Tenn.
93	xxiii	90	ii	93	<i>plicifera</i> Lea. Wahlamat, Or.
93			ii	93	<i>M. tuberculata</i> Lea = <i>Spixiana</i> Lea.
94	xxiii	91	ii	94	<i>Lymnaea solida</i> Lea. Wahlamat, Or.
95	xviii	56	ii	95	<i>Unio Rangianus</i> Lea. Ohio.
96	xvi	51	ii	96	<i>Pepinianus</i> Lea. Lake Pepin, O.
97	xvi	52	ii	97	<i>Anodonta angulata</i> Lea. Lewis' river, Or.
99	xxiii	79	ii	99	<i>Helix Californiensis</i> Lea. St. Diego, U. Cal.
99	xxiii	80	ii	99	<i>Townsendiana</i> Lea. Wahlamat, Or.
100	xxiii	84	ii	100	<i>Nickliniana</i> Lea. St. Diego, U. Cal.
100	xxiii	85	ii	100	<i>Oregonensis</i> Lea. Wahlamat, Or.
101	xxiii	107	ii	101	<i>Succinea aperta</i> Lea. Bks. of Columbia r.
101	xxiii	109	ii	101	<i>Paludina Nuttalliana</i> Lea. Wahlamat, Or.
102	xxiii	94	ii	102	<i>Lymnaea apicina</i> Lea. Wahlamat, Or.
103	xxiv	113	ii	103	<i>Unio dolabraeformis</i> Lea. Altamaha river.
104	xxiv	114	ii	104	<i>Novi-eboraci</i> Lea. Orleans co., N. Y.
105	xxiv	115	ii	105	<i>Claibornensis</i> Lea. Claiborne, Ala.
106	xxiv	117	ii	106	<i>Anodonta subcylindracea</i> Orleans co., N. Y.
					Lea.

TRANS. Vol. vi, 1839.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
107	xxiv	118	ii	107	Polygyra Dorfeuilliana <i>Lea</i> .	Ohio.
107	xxiv	119	ii	107	Troostiana <i>Lea</i> .	Tennessee.

113 ii 113 **Lea.**—Synopsis of the family of Naiades.

[I do not give the American species of this Synopsis, as they are included, with one or two exceptions, in the second edition of the Synopsis, which is given on p. 230.—W. G. B.]

Vol. vii, 1841.

73 **Lea.**—Vol. vii of the same contains only "On the *Patella amœna* of Say." Date of title, 1841.

73 **Patelloidea testudinalis** Norway, Greenland, &c.
P. amœna Couth. [*Lea*.
Patella amœna Say.
testudinalis Müll. &c.
testudinaria Müll.
tessellata Müll.
testudinaria-Groenlandica Ch.
Clealandii Sowb.
virginea Müll. (Geml.?)
clypeus Ker. (MSS.)
Lottia Antillarum Sowb.

Vol. viii, 1843.

163 **Lea.**—Description of new Fresh Water and Land Shells. Date of title, 1843.

164	▼	1	iii	2	Melania Hildrethiana <i>Lea</i> .	Ohio r. at Marietta.
164	▼	2	iii	2	castanea <i>Lea</i> .	Maury co., Tenn.
165	▼	3	iii	3	lævigata <i>Lea</i> .	Claiborne, Ala.
165	▼	4	iii	3	Kirtlandiana <i>Lea</i> .	Ind., O., &c.
165	▼	5	iii	3	Taitiana <i>Lea</i> .	Claiborne, Ala.
166	▼	6	iii	4	dubiosa <i>Lea</i> .	Tennessee.
166	▼	7	iii	4	ebenum <i>Lea</i> .	Robinson co., Tenn.
167	▼	8	iii	5	rufa <i>Lea</i> .	Mamma's cr., Tenn.
167	▼	9	iii	5	fusiformis <i>Lea</i> .	Tennessee.
168	▼	10	iii	6	claviformis <i>Lea</i> .	Ocoee Dist., Clinch
168	▼	11	iii	6	gracilis <i>Lea</i> .	Tennessee. [r. Tenn.
168	▼	12	iii	6	subsolida <i>Lea</i> .	Tennessee.
169	▼	13	iii	7	Ocoeeensis <i>Lea</i> .	Ocoee Dist., Tenn.
169	▼	14	iii	7	subcylindræa <i>Lea</i> .	Tennessee.
170	▼	15	iii	8	sordida <i>Lea</i> .	Tennessee.

TRANS. Vol. viii, 1843.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
170	v	16	iii	8	<i>Melania regularis</i> Lea.	Oconee Dist., Tenn.
170	v	17	iii	8	<i>fuliginosa</i> Lea.	Maury co., Tenn.
171	v	18	iii	9	<i>Nickliniana</i> Lea.	Bath co., Va.
171			iii	10	<i>Anculosa inflata</i> Lea.	
					<i>Melania dilatata</i> Conrad.	
					<i>Rogersi</i> Conrad.	
					<i>Anculotus carinatus</i> Anth.	
					<i>Kirtlandianus</i> Anth.	
172	v	19	iii	10	<i>Melania viridis</i> Lea.	Cincinnati.
172	v	20	iii	10	<i>occidentalis</i> Lea.	Cincinnati.
173	v	21	iii	11	<i>Niagarensis</i> Lea.	Niagara Falls.
174	v	22	iii	12	<i>globula</i> Lea.	Tennessee.
174	v	23	iii	12	<i>altis</i> Lea.	Santeecca, S.C., Hav. de Grace, Md.
175	v	24	iii	13	<i>strigosa</i> Lea.	Holston river, Tenn.
175	v	25	iii	13	<i>virgata</i> Lea.	Tenn.
176	v	26	iii	14	<i>tenebrosa</i> Lea.	Tenn.
176	v	27	iii	14	<i>teres</i> Lea.	Tenn.
176	v	28	iii	14	<i>obtusa</i> Lea.	Tenn.
177	v	29	iii	15	<i>Lecontiana</i> Lea.	Georgia.
177	v	30	iii	15	<i>corrugata</i> Lea.	Tennessee.
178	vi	31	iii	16	<i>monoxonalis</i> Lea.	Tennessee.
178	vi	32	iii	16	<i>terebialis</i> Lea.	Tennessee.
179	vi	33	iii	17	<i>columella</i> Lea.	Tennessee.
179	vi	34	iii	17	<i>blanda</i> Lea.	Tennessee.
179	vi	35	iii	17	<i>crebri-costata</i> Lea.	Robinson co., Tenn.
180	vi	36	iii	18	<i>Curreyana</i> Lea.	Barren river, Ky.
180	vi	37	iii	18	<i>Edgariana</i> Lea.	Cany Fork, Tenn.
181	vi	38	iii	19	<i>decora</i> Lea.	Tenn., Green r. Ky.
181	vi	39	iii	19	<i>costulata</i> Lea.	Barren r. Ky., Tenn.
182	vi	40	iii	20	<i>nitens</i> Lea.	Tennessee.
182	vi	41	iii	20	<i>plicatula</i> Lea.	Tennessee.
183	vi	42	iii	21	<i>concinna</i> Lea.	Tennessee.
183	vi	43	iii	21	<i>Babylonica</i> Lea.	Yellow sps., Green
183	vi	44	iii	21	<i>exarata</i> Lea.	Tennessee. [co., O.
184	vi	45	iii	22	<i>Potosiensis</i> Lea.	Potosi, Mo.
184	vi	46	iii	22	<i>acuto-carinata</i> Lea.	Tennessee.
185	vi	47	iii	23	<i>Wardiana</i> Lea.	Cedar creek, Va.
185	vi	48	iii	23	<i>sulcosa</i> Lea.	Tennessee.
186	vi	49	iii	24	<i>striata</i> Lea.	Tennessee.
186	vi	50	iii	24	<i>pillula</i> Lea.	Tennessee.
187	vi	51	iii	25	<i>circincta</i> Lea.	Tennessee.
187	vi	52	iii	25	<i>venusta</i> Lea.	Tennessee.

TRANS. Vol. viii, 1843.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
188	vi	53	iii	26	<i>Melania Florentiana</i> Lea.	Florence, Ala.
188	vi	54	iii	26	<i>Duttoniana</i> Lea.	Tennessee.
189	vi	55	iii	27	<i>Holstonia</i> Lea.	Holston river, Tenn.
189	vi	56	iii	27	<i>caliginosa</i> Lea.	Tennessee.
190	vi	57	iii	28	<i>nodulosa</i> Lea.	Tennessee.
190	vi	58	iii	28	<i>Cincinnatiensis</i> Lea.	Cinn., Holston, Ten.
191	vii	1	iii	29	<i>Unio exiguus</i> Lea.	Columbus, Ga.
193	vii	3	iii	31	<i>cuneolus</i> Lea.	Holston river, Tenn.
194	viii	4	iii	32	<i>Cincinnatiensis</i> Lea.	Cincinnati.
195	viii	5	iii	33	<i>Stonensis</i> Lea.	Stone's river, Tenn.
195	viii	6	iii	33	<i>Lesueurianus</i> Lea.	Cany Fork and Holston river, Tenn.
196	ix	7	iii	34	<i>dactylus</i> Lea.	Cany Fork, Tenn.
197	ix	8	iii	35	<i>biangulatus</i> Lea.	Cany Fork, Tenn.
198	ix	9	iii	36	<i>strigosus</i> Lea.	Columbus, Ga.
198	x	10	iii	36	<i>tener</i> Lea.	Big Pigeon r., Tenn.
199	x	11	iii	37	<i>Tennesseensis</i> Lea.	Stone's river, Tenn.
200	x	12	iii	38	<i>amoenus</i> Lea.	Holston river Tenn.
201	xi	13	iii	39	<i>obtusus</i> Lea.	Columbus, Ga.
201	xi	14	iii	39	<i>fatuus</i> Lea.	Holston river, Tenn.
202	xi	15	iii	40	<i>Geddingsianus</i> Lea.	Congaree riv., S. C.
203	xii	16	iii	41	<i>striatus</i> Lea.	Columbus, Ga.
204	xii	17	iii	42	<i>tortivus</i> Lea.	Columbus, Ga.
204	xii	18	iii	42	<i>lenior</i> Lea.	Holston river, Tenn.
205	xii	19	iii	43	<i>nitens</i> Lea.	Cocke co., Tenn.
206	xii	20	iii	44	<i>lineatus</i> Lea.	Columbus, Ga.
207	xiii	21	iii	45	<i>atromarginatus</i> Lea.	Columbus, Ga.
208	xiii	22	iii	46	<i>Boykinianus</i> Lea.	Columbus, Ga.
209	xiii	23	iii	47	<i>subangulatus</i> Lea.	Columbus, Ga.
209	xiv	24	iii	47	<i>pillaris</i> Lea.	French Broad and Holston r., E. Ten.
210	xiv	25	iii	48	<i>tuberosus</i> Lea.	Cany Fork and Cumberl'd rvs., M. Ten.
211	xiv	26	iii	49	<i>plenus</i> Lea.	Cincinnati.
212	xv	27	iii	50	<i>Holstonensis</i> Lea.	Holston river Tenn.
213	xv	28	iii	51	<i>Bowenianus</i> Lea.	Chillicothe, O.
213	xv	29	iii	51	<i>paulus</i> Lea.	Columbus, Ga.
214	xv	30	iii	52	<i>Edgarianus</i> Lea.	Holston river, Tenn., Florence, Ala.
215	xv	31	iii	53	<i>dolabelloides</i> Lea.	Holston river, Tenn.
216	xvi	32	iii	54	<i>Boydianus</i> Lea.	Orleans co., N. Y.
217	xvi	33	iii	55	<i>Sloatianus</i> Lea.	Chattahoochee r., G.

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Vol. ix, 1844.

OBS.

V. Pa.

V. Pa.

Name.

Locality.

Lea.—Continuation of Mr. LEA's paper on Fresh Water and Land Shells. Date of title of vol. ix, part 1, 1844.

ix	1	iv	1	Helix Tennesseensis Lea.	Cumb'land Mt., Tenn.
ix	2	iv	2	Carocolla Edgariana Lea.	Cumb'land Mt., Tenn.
ix	3	iv	3	Succinea Wardiana Lea.	Ohio.
ix	4	iv	4	Totteniana Lea.	Newport, R. I.
ix	4	iv	4	Nuttalliana Lea.	Oregon.
ix	4	iv	4	aurea Lea.	Springfield, O.
ix	5	iv	5	Oregonensis Lea.	Oregon.
ix	5	iv	5	inflata Lea.	South Carolina.
ix	6	iv	6	Planorbis regularis Lea.	United States.
ix	6	iv	6	Buchanensis Lea.	Cincinnati.
ix	6	iv	6	bellus Lea.	Tennessee.
ix	6	iv	6	lens Lea = lenticularis Lea.	
ix	7	iv	7	Physa Hildrethiana Lea.	Illinois.
ix	7	iv	7	inflata Lea.	Virginia.
ix	7	iv	7	Troostiana Lea.	Tennessee.
ix	8	iv	8	Limnæa Philadelphica Lea.	Schuylkill river.
ix	8	iv	8	Griffithiana Lea.	Charlotte Lake, N. Y.
ix	9	iv	9	Nuttalliana Lea.	Oregon.
ix	9	iv	9	bulimoides Lea.	Oregon.
ix	9	iv	9	exigua Lea.	Tennessee.
ix	9	iv	9	planulata Lea.	White Sulph. Spr., Va.
ix	10	iv	10	fusiformis Lea.	Lewistown, N. Y.
ix	10	iv	10	rustica Lea.	Poland, O.
ix	10	iv	10	plica Lea.	Tennessee.
ix	11	iv	11	coarctata Lea.	Newport, R. I.
ix	11	iv	11	casta Lea.	Poland, O.
ix	11	iv	11	parva Lea.	Cincinnati.
ix	11	iv	11	curta Lea.	Cincinnati.
ix	12	iv	12	strigosa Lea.	Cincinnati.
ix	12	iv	12	Kirtlandiana Lea.	Poland, O.
ix	13	iv	13	Paludina regularis Lea.	Ohio. ?
ix	13	iv	13	obtusa Lea.	Ohio.
ix	14	iv	14	Troostiana Lea.	Tennessee.
ix	14	iv	14	Anculosa (notes on the genus.)	
ix	15	iv	15	Troostiana Lea.	Tennessee.
ix	15	iv	15	gibbosa Lea.	Tennessee.
ix	15	iv	15	carinata Lea.	Roanoke river.
ix	15	iv	15	variabilis Lea.	Roanoke river.
ix	16	iv	16	Amnicola (notes on the genus.)	

TRANS. Vol. ix, 1844.		OBS.		Name.	Locality.
V.	Pa.	V.	Pa.		
ix	16	iv	16	<i>Amnicola orbiculata</i> Lea.	Springfield, O., and Cayuga Lake.
ix	16	iv	16	<i>limosa</i> Say.	
ix	16	iv	16	<i>porata</i> Say.	
ix	16	iv	16	<i>isogona</i> Say.	
				<i>Paludina pallida</i> Lea.	
ix	16	iv	16	<i>parva</i> Lea.	Springfield, O.
ix	17	iv	17	<i>Io tenebrosa</i> Lea.	Tennessee.
ix	17	iv	17	<i>Helix Mobiliana</i> Lea.	Mobile.
ix	17	iv	17	<i>minutissima</i> Lea.	Cincinnati.
ix	18	iv	18	<i>Melania turgida</i> Lea.	Holston river, Tenn.
ix	18	iv	18	<i>glabra</i> Lea.	Holston river, Tenn.
ix	18	iv	18	<i>perfusca</i> Lea.	Calf Killer cr., Tenn.
ix	19	iv	19	<i>picta</i> Lea.	Holston river, Tenn.
ix	19	iv	19	<i>impressa</i> Lea.	Coosa river, Ala.
ix	19	iv	19	<i>robusta</i> Lea.	Coosa river, Ala.
ix	20	iv	20	<i>Jayana</i> Lea.	Cany Fork, De Kalb co.,
ix	20	iv	20	<i>Anculosa rubiginosa</i> Lea.	Warrior r., Ala. [Tenn.]
ix	20	iv	20	<i>Griffithiana</i> Lea.	Coosa river, Ala.
ix	21	iv	21	<i>tuberculata</i> Lea.	Black Warrior r., Ala.
ix	21	iv	21	<i>Valvata bicarinata</i> Lea (with notes on animal and ova).	Schuylkill river.
ix	22	iv	22	<i>Paludina angulata</i> Lea.	Coosa river, Ala.
ix	23	iv	23	<i>Coosaensis</i> Lea. [Lea.]	Coosa river, Ala.
ix	23	iv	23	<i>cyclostomatiformis</i>	Coosa river, Ala.
ix	24	iv	24	Notes on genus <i>Melania</i> .	
ix	24	iv	24	<i>Melania plicatula</i> Lea = <i>M. Deshayesi</i> Lea.	
ix	24	iv	24	<i>plicata</i> Lea = <i>M. Menkeana</i> Lea.	
ix	24	iv	24	<i>exarata</i> Lea = <i>M. arata</i> Lea.	
ix	24	iv	24	<i>Planorbis lens</i> Lea = <i>Pl. Brogniartiana</i> Lea.	
ix	25	iv	25	<i>Melania vanuxemiana</i> Lea.	Alabama.
ix	25	iv	25	<i>ovalis</i> Lea.	Alabama.
ix	25	iv	25	<i>Haysiana</i> Lea. [ma].	Alabama.
ix	25	iv	25	<i>excisa</i> Lea (Schizosto-	Alabama.
ix	26	iv	26	<i>Schizostoma</i> Lea (n. g.)	
ix	26	iv	26	<i>Melania Ordiana</i> Lea.	Alabama.
ix	26	iv	26	<i>brevis</i> Lea.	Alabama.
ix	27	iv	27	<i>oliva</i> Lea.	Alabama.
ix	27	iv	27	<i>Foremani</i> Lea.	Alabama.
ix	27	iv	27	<i>torquata</i> Lea.	Tennessee.
ix	28	iv	28	<i>producta</i> Lea.	Tennessee.
ix	28	iv	28	<i>curvata</i> Lea.	Tennessee.
ix	28	iv	28	<i>expansa</i> Lea.	Alabama.

TRANS. Vol. ix, 1844.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
28	ix	28	iv	28	<i>Anculosa incisa</i> Lea.	Alabama.
29	ix	29	iv	29	<i>Foremani</i> Lea.	Alabama.
29	ix	29	iv	29	<i>solida</i> Lea.	Alabama.
30	ix	30	iv	30	<i>flammata</i> Lea.	Alabama.
30	ix	30	iv	30	<i>Paludina incrassata</i> Lea.	Alabama.
30	ix	30	iv	30	<i>coarctata</i> Lea.	Alabama.

Vol. ix, pt. 3, 1846.

Lea.—Description of new Fresh Water and Land Shells. Date of part 3, 1846.

275	xxxix	1	iv	34	<i>Unio amygdalum</i> Lea.	Lake George, Fla.
276	xxxix	2	iv	34	<i>Buckleyi</i> Lea.	Lakes George and Munroe, Fla.
276	xxxix	3	iv	34	<i>minor</i> Lea.	Lakes George and Munroe, Fla.
277	xl	4	iv	35	<i>fuscatus</i> Lea.	Black creek, Fla.
277	xl	5	iv	35	<i>Buddianus</i> Lea.	L. George & Munroe,
278	xl	6	iv	36	<i>trossulus</i> Lea.	Lke. Munroe, Fla. [F.
279	xli	7	iv	37	<i>occultus</i> Lea.	Black cr. and Lake Munroe, Fla.
279	xli	8	iv	37	<i>Monroensis</i> Lea.	Lake Munroe, Fla.
280	xli	9	iv	38	<i>sheneus</i> Lea.	Black creek, Fla.
280	xlii	10	iv	38	<i>neglectus</i> Lea.	North Alabama.

Vol. x, pt. 1, 1847.

67 Lea.—Description of new Fresh Water and Land Shells. Date of vol. x, part 1, 1847.

67	i	1	iv	41	<i>Unio hippocæus</i> Lea.	Lake Erie.
68	i	2	iv	42	<i>latecostatus</i> Lea.	Tuscaloosa, Ala.
69	i	3	iv	43	<i>utriculus</i> Lea.	N. C.
69	ii	4	iv	43	<i>hyalinus</i> Lea.	Richmond, Va.
70	ii	5	iv	44	<i>atrocostatus</i> Lea.	Ala., La.
70	ii	6	iv	44	<i>pellucidus</i> Lea.	Chattahoochee, Ga.
71	iii	7	iv	45	<i>tumescens</i> Lea.	Alexandria, La.
71	iii	8	iv	45	<i>pernodosus</i> Lea.	N. C.
72	iii	9	iv	46	<i>flavescens</i> Lea.	Blk. Warrior r., Ala.
73	iv	10	iv	47	<i>fulgidus</i> Lea.	Alexandria, La.
73	iv	11	iv	47	<i>symmetricus</i> Lea.	Alexandria, La.
74	iv	12	iv	48	<i>unicolor</i> Lea.	Tuscaloosa, Ala.
74	v	13	iv	48	<i>approximus</i> Lea.	Alexandria, La.
75	v	14	iv	49	<i>asperatus</i> Lea.	Clinch river, Tenn.
76	v	15	iv	50	<i>simplex</i> Lea.	Blk. Warrior r., Ala.
76	vi	16	iv	50	<i>Gouldii</i> Lea.	Tuscaloosa, Ala.

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Oms.

Pa.	Pl.	Fig.	V.	Pa.	Name.	Locality.
77	vi	17	iv	51	<i>Unio Estabrookianus</i> Lea.	Clinch river, Tenn.
77	vi	18	iv	51	<i>Binneyi</i> Lea.	Southern States.
78	vii	19	iv	52	<i>fuliginosus</i> Lea.	Cobb's creek, Phila.
79	vii	20	iv	53	<i>pallescens</i> Lea.	Tuscaloosa, Ala.
79	vii	21	iv	53	<i>caliginosus</i> Lea.	Alexandria, La.
80	viii	22	iv	54	<i>spatulatus</i> Lea.	Rock river, Wisc.
81	viii	23	iv	55	<i>compressissimus</i> Lea.	Holston river, Tenn.
81	viii	24	iv	55	<i>pulvinulus</i> Lea.	Murray co., Ala.
82	viii	25	iv	56	<i>Anodonta tetragona</i> Lea.	Alexandria, La.
82	viii	26	iv	56	<i>Margaritana minor</i> Lea.	Tenn., N. C.
83	ix	27	iv	57	<i>Melania solida</i> Lea.	Tennessee.
83	ix	28	iv	57	<i>proteus</i> Lea.	Tuscaloosa, Ala.
84	ix	29	iv	58	<i>lugubris</i> Lea.	Alabama.
84	ix	30	iv	58	<i>torta</i> Lea.	Big creek, Tenn.
85	ix	31	iv	59	<i>spurea</i> Lea.	Alabama.
85	ix	32	iv	59	<i>abrupta</i> Lea.	Alabama.
85	ix	33	iv	59	<i>basalis</i> Lea.	Alabama.
86	ix	34	iv	60	<i>modesta</i> Lea.	Columbus, Ga.
86	ix	35	iv	60	<i>Haleiana</i> Lea.	Alexandria, La.
86	ix	36	iv	60	<i>pumila</i> Lea.	Tuscaloosa, Ala.
87	ix	37	iv	61	<i>Alexandrensis</i> Lea.	Alexandria, La.
87	ix	38	iv	61	<i>ovoidea</i> Lea.	Alexandria, La.
88	ix	39	iv	62	<i>auriculæformis</i> Lea.	Tuscaloosa, Ala.
88	ix	40	iv	62	<i>carino-costata</i> Lea.	Ala., Tenn.
88	ix	41	iv	62	<i>filum</i> Lea.	Alabama.
89	ix	42	iv	63	<i>spinalis</i> Lea.	Alabama.
89	ix	43	iv	63	<i>pallescens</i> Lea.	Chester Dist., S. C.
90	ix	44	iv	64	<i>Buddii</i> Lea.	Tennessee?
90	ix	45	iv	64	<i>harpa</i> Lea.	Tuscaloosa, Ala.
90	ix	46	iv	64	<i>arctata</i> Lea.	Tuscaloosa, Ala.
91	ix	47	iv	65	<i>crebri-striata</i> Lea.	Tuscaloosa, Ala.
91	ix	48	iv	65	<i>nobilis</i> Lea.	Alabama.
92	ix	49	iv	66	<i>pernodosa</i> Lea.	Florence, Ala.
92	ix	50	iv	66	<i>Anculosa squalida</i> Lea.	Tuscaloosa, Ala.
93	ix	51	iv	67	<i>tintinnabulum</i> Lea.	Tenn., Tuscal'a, Ala.
93	ix		iv	67	<i>Schizostoma</i> Lea (n. g.)	
93	ix	52	iv	67	<i>pagoda</i> Lea.	Tuscaloosa, Ala.
93	ix		iv	67	<i>incisa</i> Lea.	
93	ix		iv	67	<i>excisa</i> Lea.	
94	ix	53	iv	68	<i>Buddii</i> Lea.	Tuscaloosa, Ala.
94	ix	54	iv	68	<i>Babylonicum</i> Lea.	Tuscaloosa, Ala.
94	ix	55	iv	68	<i>constrictum</i> Lea.	Tuscaloosa, Ala.
95	ix	56	iv	69	<i>funiculatum</i> Lea.	Tuscaloosa, Ala.

TRANS. Vol. x, 1847.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
95	ix	57	iv	69	Schizostoma laciniatum	Tuscaloosa, Ala.
					<i>Lea.</i>	
96	ix	58	iv	70	Paludina Haleiana	Alexandria, La.
					<i>Lea.</i>	
96	ix		iv	70	Lea. —Catalogue of Recent and Fossil Melania.	
[As no synonyms, references or localities are given by Mr. Lea, I have not considered it necessary to repeat this list.—W. G. B.]						
Vol. x, pt. 2, 1852.						
253			v	10	Lea. —New Fresh Water and Land Shells.	Date of vol. x, part 2, 1852.
254	xii	1	v	10	Unio sordidus	<i>Lea.</i> Abbeville Dis., S. C.
254	xii	2	v	10	Gibbesianus	<i>Lea.</i> Abbeville Dis., S. C.
255	xii	3	v	11	perstriatus	<i>Lea.</i> Abbeville Dis., S. C.
256	xiii	4	v	12	Toumeyl	<i>Lea.</i> Abbeville Dis., S. C.
256	xiii	5	v	12	Barrattii	<i>Lea.</i> Abbeville Dis., S. C.
257	xiii	6	v	13	decoratus	<i>Lea.</i> Abbeville Dis., S. C.
258	xiv	7	v	14	rufusculus	<i>Lea.</i> Abbeville Dis., S. C.
258	xiv	8	v	14	Whiteianus	<i>Lea.</i> Savannah, Ga.
259	xiv	9	v	15	lazarus	<i>Lea.</i> Abbeville Dis., S. C.
260	xv	10	v	16	merus	<i>Lea.</i> Abbeville Dis., S. C.
260	xv	11	v	16	concavus	<i>Lea.</i> Abbeville Dis., S. C.
261	xv	12	v	17	ineptus	<i>Lea.</i> Abbeville Dis., S. C.
261	xv	13	v	17	buxeus	<i>Lea.</i> Abbeville Dis., S. C.
262	xv	14	v	18	pygmaeus	<i>Lea.</i> Abbeville Dis., S. C.
263	xvi	15	v	19	fraternus	<i>Lea.</i> Abbeville Dis., S. C., and Columbus, Ga.
263	xvi	16	v	19	Cuvierianus	<i>Lea.</i> Washington co., Ga.
264	xvi	17	v	20	Forbesianus	<i>Lea.</i> Savannah river.
265	xvii	18	v	21	Kleinianus	<i>Lea.</i> Suwanee river, Fla.
265	xvii	19	v	21	satur	<i>Lea.</i> Alexandria, La., Lk. Calcasieu, La.
266	xvii	20	v	22	Lamarkianus	<i>Lea.</i> Caddo and Washitta rivers, Ark.
267	xviii	21	v	23	hebes	<i>Lea.</i> Oconee river, Ga.
268	xviii	22	v	24	Moussonianus	<i>Lea.</i> Georgia.
268	xviii	23	v	24	nigerrimus	<i>Lea.</i> Alexandria, La.
269	xix	24	v	25	Prevostianus	<i>Lea.</i> Eutowah river, Ga.
270	xix	25	v	26	Powellii	<i>Lea.</i> Saline river, Ark.
271	xix	26	v	27	affinis	<i>Lea.</i> Alexandria, La.
271	xx	27	v	27	proximus	<i>Lea.</i> Georgia.
272	xx	28	v	28	Reeveianus	<i>Lea.</i> Alexandria, La.

TRANS. Vol. x, 1833.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
273	xx	29	v	29	<i>Unio luridus</i> Lea.	Coosawatee r., Ga.
273	xxi	30	v	29	<i>Clarkianus</i> Lea.	Williamsport, Tenn., Ala. ? Ga. ?
274	xxi	31	v	30	<i>Floridensis</i> Lea.	Chickahachir., Fla.
275	xxi	32	v	31	<i>succissus</i> Lea.	W. Florida, New Or.
275	xxii	33	v	31	<i>Oregonensis</i> Lea.	Columbia river.
276	xxii	34	v	32	<i>Rumphianus</i> Lea.	West Georgia?
277	xxii	35	v	33	<i>sagittiformis</i> Lea.	Oconee river, Ga.
278	xxiii	36	v	34	<i>Stewardsonii</i> Lea.	Chattanooga r., Ten.
279	xxiii	37	v	35	<i>Hanleyianus</i> Lea.	Coosawatee r., Ga.
279	xxiii	38	v	35	<i>placitus</i> Lea.	Alabama.
280	xxiii	39	v	36	<i>Troschellianus</i> Lea.	Coosawatee r., Ga.
281	xxiii	40	v	37	<i>Kienerianus</i> Lea.	Coosawatee r., Ga.
283	xxiv	42	v	39	<i>nigellus</i> Lea.	Chattahoochee r., G.
283	xxiv	43	v	39	<i>nux</i> Lea.	Alabama.
284	xxiv	44	v	40	<i>nigrinus</i> Lea.	West Florida.
285	xxv	45	v	41	<i>Anodonta denigrata</i> Lea.	East Tennessee.
285	xxv	46	v	41	<i>opaca</i> Lea.	New Orleans, Little Rock, Ark.,
286	xxv	47	v	42	<i>Californiensis</i> Lea.	Rio Colorado, Cal.
288	xxvi	50	v	44	<i>Schaefferiana</i> Lea.	Horn Lake cr., Tenn.
289	xxvii	51	v	45	<i>linneana</i> Lea.	Lake Concordia, La.
289			v	45	<i>edentula</i> Say?	Cincinnati.
290	xxviii	52	v	46	<i>oblita</i> Lea.	Campbell co., Tenn.
290	xxviii	53	v	46	<i>virens</i> Lea.	Alexandria, La.
293	xxix	56	v	49	<i>Arkansensis</i> Lea.	Little Arkansas riv.
295			v	51	Lea.—Description of a new genus (<i>Basistoma</i>) of the family Melaniana.	
295			v	51	<i>Schizostoma</i> Lea (preoc.) = <i>Schizochilus</i> Lea.	
296	xxx	2	v	52	<i>Melania perstriata</i> Lea.	Coosa r., Ala., Hunts- ville, Tenn.
297	xxx	3	v	53	<i>sculptilis</i> Lea.	Tennessee.
297	xxx	4	v	53	<i>Clarkii</i> Lea.	Duck creek, Tenn.
298	xxx	5	v	54	<i>Brumbyi</i> Lea.	Coosa r., Huntsville,
298	xxx	6	v	54	<i>oblita</i> Lea.	Tennessee? [Ala.]
299	xxx	7	v	55	<i>furva</i> Lea.	Coosa river, Ala.
299	xxx	8	v	55	<i>Sellersiana</i> Lea.	Cany Fork, Tenn.
300	xxx	9	v	56	<i>oppugnata</i> Lea.	Alabama river.
300	xxx	10	v	56	<i>Saffordii</i> Lea.	Lebanon, Tenn.
301	xxx	11	v	57	<i>pinguis</i> Lea.	Lebanon, Tenn.
301	xxx	12	v	57	<i>gibbosa</i> Lea.	Scioto river, O.

TRANS. Vol. x, 1853.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
303			v	59	Lea. —Description of a new species of <i>Helix</i> from California, and a new characteristic form of certain American <i>Collimacea</i> .	
303	xxx	13	v	59	Helix Lecontii <i>Lea.</i>	San Francisco.
304					Accessory column in	
304			v	60	Carocolla spinosa <i>Lea.</i>	
304			v	60	Edgariana <i>Lea.</i>	
304			v	60	Helix hirsuta <i>Say.</i>	
304			v	60	monodon <i>Rack.</i>	
304			v	60	Leai <i>Ward.</i>	
304			v	60	leporina <i>Gould.</i>	
304			v	60	Lecontii <i>Lea.</i>	
304			v	60	Polygyra Troostiana <i>Lea.</i>	
304			v	60	Dorfeulliana <i>Lea.</i>	
JOUR. ACAD. N. SC. Vol. iii, Jan. 1858.						
289			vi	9	Lea. —Descriptions of Exotic Genera and species of the family Unionidæ. (From Journal Acad. Nat. Sc. Philadelphia, (n. s.), vol. iii, pt. 4. Jan. 1858.) New Fresh Water and Land Shells. Observations on the genus <i>Unio</i> , vol. vi, pt. 1, 1857.	
311	xxx	26	vi	31	Unio umbrosus <i>Lea.</i>	Medellin riv., Mex.
314	xxxi	29	vi	34	Coloradoensis <i>Lea.</i>	Rio Colorado, Texas.
315	xxxii	30	vi	35	Poeyanus <i>Lea.</i>	R. de las Balsas, Coyucan, Mexico.
Vol. iv, Dec. 1858.						
43			vi	43	Lea. —Descriptions of the Embryonic forms of thirty-eight species of Unionidæ, vol. iv, pt. 1. Dec. 1858. (Obs. vol. vi, pt. 2.)	
46	v	1	vi	46	Unio obtusus <i>Lea.</i>	
46	v	2	vi	46	anodontoides <i>Lea.</i>	
46	v	3	vi	46	multiplicatus <i>Lea.</i>	
46	v	4	vi	46	rutilans <i>Lea.</i>	
47	v	5	vi	47	penicillatus <i>Lea.</i>	
47	v	6	vi	47	securis <i>Lea.</i>	
47	v	7	vi	47	retusus <i>Lea.</i>	
47	v	8	vi	47	Pratii <i>Lea.</i>	
47	v	9	vi	47	spatulatus <i>Lea.</i>	
47	v	10	vi	47	luteolus <i>Lam.</i>	

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Obs.

Pl.	Pl.	Fig.	V.	Pa.	Name.	Locality.
47	v	11	vi	47	Unio rectus Lam.	
47	v	12	vi	47	phaseolus Hldr.	
47	v	13	vi	47	occidens Lea.	
47	v	14	vi	47	Novi-Eboraci Lea.	
47	v	15	vi	47	ovatus Say.	
47	v	16	vi	47	Woodwardianus Lea.	
47	v	17	vi	47	multiradiatus Lea.	
48	v	18	vi	47	ligamentinus Lam.	
48	v	19	vi	48	triangularis Barnes.	
48	v	20	vi	48	radiatus Lam.	
48	v	21	vi	48	perplexus Lea.	
48	v	22	vi	48	undulatus Barnes.	
48	v	23	vi	48	pressus Lea.	
48	v	24	vi	48	laevissimus Lea.	
48	v	25	vi	48	alatus Say.	
48	v	26	vi	48	Margaritana rugosa Lea.	
49	v	27	vi	49	marginata Lea.	
49	v	28	vi	49	triangulata Lea.	
49	v	29	vi	49	complanata Lea.	
49	v	30	vi	49	deltoides Lea.	
49	v	31	vi	49	Hildrethiana Lea.	
49	v	32	vi	49	Anodonta Lewisii Lea.	
49	v	33	vi	49	ovata Lea.	
49	v	34	vi	49	decora Lea.	
50	v	35	vi	50	Ferussaciana Lea.	
50	v	36	vi	50	imbecilis Say.	
50	v	37	vi	50	edentula Lea.	
50	v	38	vi	50	undulata Say.	
50	v	39	vi	50	Unio subangulatus Lea.	

[The localities of the specimens from which the dissections are made are given also.—W. G. B.]

51			vi	51	Lea. —New Unionidae of the United States.	
51	vi	34	vi	51	Unio Abbevillensis Lea.	Abbeville Dis., S. C.
52	vi	35	vi	52	Jamesianus Lea.	Jackson Miss.
53	vi	36	vi	53	subgibbosus Lea.	Oostanula and Etowa rivers, Ga.
54	vii	37	vi	54	Elliottii Lea.	Othellooga cr., Ga.
56	viii	38	vi	56	gracillior Lea.	Buckhead creek, To- besauske cr., Ga.
57	viii	39	vi	57	pullatus Lea.	Columbus, Ga.
58	viii	40	vi	58	favosus Lea.	Othellooga cr., Ga.

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Obs.

Pa.	Pl.	Fig.	V.	Pa.	Name.	Locality.
59	ix	41	vi	59	<i>Unio rutilans</i> Lea.	Othcalooga cr. Ga., and Columbus.
60	ix	42	vi	60	<i>errans</i> Lea.	Tobesaufke cr., Ga.
61	ix	43	vi	61	<i>vicinus</i> Lea.	Swift creek, Ga.
62	x	44	vi	62	<i>subellipsais</i> Lea.	Columbus, Ga.
63	x	45	vi	63	<i>geminus</i> Lea.	Buckhead creek, Ga.
64	x	46	vi	64	<i>rostriformis</i> Lea.	Swift creek, Ga.
65	xi	47	vi	65	<i>Blandianus</i> Lea.	Othcalooga cr., Ga.
66	xii	48	vi	66	<i>concoetator</i> Lea.	Columbus, Ga.
67	xii	49	vi	67	<i>extensus</i> Lea.	Dry creek, Ga.
69	xii	50	vi	69	<i>pyriformis</i> Lea.	Columbus, Ga.
70	xiii	51	vi	70	<i>rubellinus</i> Lea.	Othcalooga cr. Ga., and Ala. [and Ala.
71	xiii	52	vi	71	<i>exoavatus</i> Lea.	Othcalooga cr. Ga.,
72	xiii	53	vi	72	<i>umbrans</i> Lea.	Othcalooga cr. Ga.
74	xiv	54	vi	74	<i>Othcaloogensis</i> Lea.	Othcalooga cr. Ga., and Ala.
75	xiv	55	vi	75	<i>Columbensis</i> Lea.	Columbus, Ga.
76	xiv	56	vi	76	<i>apicinus</i> Lea.	Othcalooga cr., Ga.
77	xv	57	vi	77	<i>intercedens</i> Lea.	Columbus, Ga.
78	xv	58	vi	78	<i>pinguis</i> Lea.	St. Peter's r., U. Miss.
79	xv	59	vi	79	<i>fallax</i> Lea.	Columbus, Ga., Fr. Broad riv., Tenn.
80	xvi	60	vi	80	<i>virens</i> Lea.	Georgia.
81	xvi	61	vi	81	<i>Savannahensis</i> Lea.	Ga., Santee can. S. C., Sugar creek, N. C.,
82	xvi	62	vi	82	<i>sublatus</i> Lea.	Uchee Bar, Ga.
83	xvii	63	vi	83	<i>tenebricus</i> Lea.	Etowah river, Ga.
84	xvii	64	vi	84	<i>obnubilus</i> Lea.	Buckhead cr., Ga.
85	xvii	65	vi	85	<i>rufus</i> Lea.	Etowah river, Ga.
86	xviii	66	vi	86	<i>opacus</i> Lea.	Buckhead cr., Ga.
87	xviii	67	vi	87	<i>viridicatus</i> Lea.	Buckhead cr., Ga.
88	xviii	68	vi	88	<i>fumatus</i> Lea.	Columbus, Ga., Hos- paliga cr., Ala.
89	xix	69	vi	89	<i>sequatus</i> Lea.	Buckhead cr., Ga.
90	xix	70	vi	90	<i>subflavus</i> Lea.	Walnut creek, Ga.
91	xix	71	vi	91	<i>similis</i> Lea.	Buckhead cr., Ga.
92	xx	72	vi	92	<i>aquilus</i> Lea.	Flint and Chatta- hoochee rive., Ga.
93	xx	73	vi	93	<i>Maconensis</i> Lea.	Flint river, Ga.
94	xx	74	vi	94	<i>naviculoides</i> Lea.	Buckhead cr. and Macon, Ga.

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Obs.

Pa.	Pl.	Fig.	V. Pa.	Name.	Locality.
47	v	11	vi 47	Unio rectus Lam.	
47	v	12	vi 47	<i>phaseolus</i> Hildr.	
47	v	13	vi 47	<i>occidens</i> Lea.	
47	v	14	vi 47	<i>Novi-Eboraci</i> Lea.	
47	v	15	vi 47	<i>ovatus</i> Say.	
47	v	16	vi 47	<i>Woodwardianus</i> Lea.	
47	v	17	vi 47	<i>multiradiatus</i> Lea.	
48	v	18	vi 47	<i>ligamentinus</i> Lam.	
48	v	19	vi 48	<i>triangularis</i> Barnes.	
48	v	20	vi 48	<i>radiatus</i> Lam.	
48	v	21	vi 48	<i>perplexus</i> Lea.	
48	v	22	vi 48	<i>undulatus</i> Barnes.	
48	v	23	vi 48	<i>pressus</i> Lea.	
48	v	24	vi 48	<i>laevissimus</i> Lea.	
48	v	25	vi 48	<i>alatus</i> Say.	
48	v	26	vi 48	<i>Margaritana rugosa</i> Lea.	
49	v	27	vi 49	<i>marginata</i> Lea.	
49	v	28	vi 49	<i>triangulata</i> Lea.	
49	v	29	vi 49	<i>complanata</i> Lea.	
49	v	30	vi 49	<i>deltoides</i> Lea.	
49	v	31	vi 49	<i>Hildrethiana</i> Lea.	
49	v	32	vi 49	<i>Anodonta Lewisii</i> Lea.	
49	v	33	vi 49	<i>ovata</i> Lea.	
49	v	34	vi 49	<i>decora</i> Lea.	
50	v	35	vi 50	<i>Ferussaciana</i> Lea.	
50	v	36	vi 50	<i>imbecilis</i> Say.	
50	v	37	vi 50	<i>edentula</i> Lea.	
50	v	38	vi 50	<i>undulata</i> Say.	
50	v	39	vi 50	Unio subangulatus Lea.	

[The localities of the specimens from which the dissections are made are given also.—W. G. B.]

51			vi 51	Lea. —New Unionidae of the United States.	
51	vi	34	vi 51	Unio Abbevillensis Lea.	Abbeville Dis., S. C.
52	vi	35	vi 52	<i>Jamesianus</i> Lea.	Jackson, Miss.
53	vi	36	vi 53	<i>subgibbosus</i> Lea.	Oostanaula and Etowa rivers, Ga.
54	vii	37	vi 54	<i>Elliotii</i> Lea.	Othellooga cr. Ga.
56	viii	38	vi 56	<i>gracillior</i> Lea.	Buckhead creek, To- besaufke cr., Ga.
57	viii	39	vi 57	<i>pullatus</i> Lea.	Columbus, Ga.
58	viii	40	vi 58	<i>favosus</i> Lea.	Othellooga cr., Ga.

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Obs.

Pa.	Pl.	Fig.	V.	Pa.	Name.	Locality.
59	ix	41	vi	59	<i>Unio rutilans</i> Lea.	Othcalooga cr. Ga., and Columbus.
60	ix	42	vi	60	<i>errans</i> Lea.	Tobesaufke cr., Ga.
61	ix	43	vi	61	<i>vicinus</i> Lea.	Swift creek, Ga.
62	x	44	vi	62	<i>subellipsalis</i> Lea.	Columbus, Ga.
63	x	45	vi	63	<i>geminus</i> Lea.	Buckhead creek, Ga.
64	x	46	vi	64	<i>rostriformis</i> Lea.	Swift creek, Ga.
65	xi	47	vi	65	<i>Blandianus</i> Lea.	Othcalooga cr., Ga.
66	xii	48	vi	66	<i>concoctator</i> Lea.	Columbus, Ga.
67	xii	49	vi	67	<i>extensus</i> Lea.	Dry creek, Ga.
69	xii	50	vi	69	<i>pyriformis</i> Lea.	Columbus, Ga.
70	xiii	51	vi	70	<i>rubellinus</i> Lea.	Othcalooga cr. Ga., and Ala. [and Ala.
71	xiii	52	vi	71	<i>excavatus</i> Lea.	Othcalooga cr. Ga.,
72	xiii	53	vi	72	<i>umbrans</i> Lea.	Othcalooga cr. Ga.
74	xiv	54	vi	74	<i>Othcaloogensis</i> Lea.	Othcalooga cr. Ga., and Ala.
75	xiv	55	vi	75	<i>Columbensis</i> Lea.	Columbus, Ga.
76	xiv	56	vi	76	<i>apicinus</i> Lea.	Othcalooga cr., Ga.
77	xv	57	vi	77	<i>intercedens</i> Lea.	Columbus, Ga.
78	xv	58	vi	78	<i>pinguis</i> Lea.	St. Peter's r., U. Miss.
79	xv	59	vi	79	<i>fallax</i> Lea.	Columbus, Ga., Fr. Broad riv., Tenn.
80	xvi	60	vi	80	<i>virens</i> Lea.	Georgia.
81	xvi	61	vi	81	<i>Savannahensis</i> Lea.	Ga., Santee can. S. C., Sugar creek, N. C.,
82	xvi	62	vi	82	<i>sublatus</i> Lea.	Uchee Bar, Ga.
83	xvii	63	vi	83	<i>tenebrionus</i> Lea.	Etowah river, Ga.
84	xvii	64	vi	84	<i>obnubilus</i> Lea.	Buckhead cr., Ga.
85	xvii	65	vi	85	<i>rufus</i> Lea.	Etowah river, Ga.
86	xviii	66	vi	86	<i>opacus</i> Lea.	Buckhead cr., Ga.
87	xviii	67	vi	87	<i>viridicatus</i> Lea.	Buckhead cr., Ga.
88	xviii	68	vi	88	<i>fumatus</i> Lea.	Columbus, Ga., Hos- paliga cr., Ala.
89	xix	69	vi	89	<i>seguatus</i> Lea.	Buckhead cr., Ga.
90	xix	70	vi	90	<i>subflavus</i> Lea.	Walnut creek, Ga.
91	xix	71	vi	91	<i>similis</i> Lea.	Buckhead cr., Ga.
92	xx	72	vi	92	<i>aquillus</i> Lea.	Flint and Chatta- hoochee rivs., Ga.
93	xx	73	vi	93	<i>Maconensis</i> Lea.	Flint river, Ga.
94	xx	74	vi	94	<i>naviculoides</i> Lea.	Buckhead cr. and Macon, Ga.

Journ. A. N. Sc. Vol. iv, 1859.			Obs.	Name.	Locality.
Pa.	Pl.	Fig.	V. Pa.		
Sept. 1859.					
191			vii 9	Lea. —The same continued. (Journ. A. N. Sc. Philada., vol. iv, pt. 2. Sept. 1859. Obs. vol. vii, pt. 1.)	
191	xxi	75	vii 9	Unio bulbosus Lea.	Flint river, Ga.
192	xxi	76	vii 10	Plantii Lea.	Flint river, Ga.
194	xxi	77	vii 12	sudus Lea.	Columbus & Macon,
195	xxii	78	vii 13	tetrions Lea.	Flint river, Ga. [Ga.
196	xxii	79	vii 14	subniger Lea.	Flint river, Ga.
197	xxii	80	vii 15	obfuscus Lea.	Flint river, Ga.
198	xxiii	81	vii 16	purpurellus Lea.	Flint river, Ga.
199	{ xxiii 82 xxix 103 }		vii 17	Woodwardianus Lea.	Cass co., Ga.
200	xxiii	83	vii 18	denigratus Lea.	Columbus, Ga.
201	xxiii	84	vii 19	radians Lea.	Othcalooga cr., Ga.
203	xxiii	85	vii 21	penicillatus Lea.	Chattahoochee and Flint rivers.
204	xxiv	86	vii 22	modious Lea.	Chattahoochee r. Ga.
205	xxiv	87	vii 23	Boswellensis Lea.	Chattahoochee r. Ga.
206	xxiv 88 88 ^a		vii 24	Prattii Lea.	Chattahoochee r. Ga.
208	xxv	89	vii 26	spissus Lea.	Satilla river, Ga.
209	xxv	90	vii 27	Chattanoogaensis Lea.	Chattanooga, Ten., Etowah, Coosawat- te, Oostenaula riv.
210	xxv	91	vii 28	Downiei Lea.	Buck Lake, Ga.
211	xxvi	92	vii 29	Haslehurstianus Lea.	Satilla river, Ga.
212	xxvi	93	vii 30	Neisleri Lea.	Flint r., Macon, Ga.
214	xxvi	94	vii 32	Postellii Lea.	Randall's and Car- ter's creek, Ga.
215	xxvii	95	vii 33	Burkensis Lea.	Buckhead cr., Ga.
216	xxvii	96	vii 34	Satillaensis.	Satilla river, Ga.
217	xxvii	97	vii 35	corvus Lea.	Buckhead creek and Ogeechee riv., Ga.
218	xxviii	98	vii 36	compactus Lea.	Etowah and Conna- sauga rivs., Ga.
219	xxviii	100	vii 37	fibuloides Lea.	Connasauga r., Ga.
220	xxix 101 101 ^a		vii 38	phaseolus Hldr.	Anatomy.
221	xxix 102 102 ^a		vii 39	parvus Barnes.	Anatomy.
222	xxx	105	vii 40	multiplicatus Lea.	Anatomy.
				<i>U. heros</i> Say†	
				<i>U. undulatus</i> Say.	
223	xxx	106	vii 41	stramineus Conr.	Anatomy.

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Pa.	Pl.	Fig.	V.	Pa.	Name.	Locality.
224	xxx	107	vii	42	Unio ventricosus Barnes.	Anatomy.
224	xxix	104	vii	42	Margaritana margaritifera Linn.	Anatomy.
					<i>Mya margaritifera</i> Linn.	
					<i>Margaritana fluviatilis</i> Sch.	
					<i>Unio elongata</i> Lam.	
					<i>Alasm. falcata</i> Gould.	
226	xxxi	108	vii	44	Elliotii Lea.	Chattahoochee r. Ga.
227	xxxi	110	vii	45	Etowahensis Lea.	Tenn., Etowaha, Ga.
228	xxxii	111	vii	46	triangulata Lea.	Ga. and S. C.
229	xxxii	113	vii	47	Connasaugaensis Lea.	Connasauga r. Ga., Tennessee.
230	xxviii	99	vii	48	Anodonta Dariensis Lea.	Hopeton, &c. Ga.
231	xxxi	109	vii	49	Gesnerii Lea.	Uphaupsee cr., Ala.
232	xxxii	112	vii	50	Hallenbeckii Lea.	Uphaupsee cr., Ga.

Haldeman.—Description of *Unio abacoides*, a new species:
by S. S. HALDEMAN. (From American Journal of Science,
(n. s.) vol. ii, p. 274. Sept. 1846.)

Page.

274 **Unio abacoides** Haldeman. Eastern Tennessee.

Anthony.—Descriptions of Shells on the cover of Nos. 3 and
4 of Haldeman's *Limnæidæ*. (Vide pp. 67, 68.)

Desor.—(From Proc. Bost. Soc. of Nat. Hist., iii, 75. Nov.
1848.)

[In quoting from the Boston Proceedings the following were overlooked.
—W. G. B.]

Vol. Pa.

iii	75	Remarks on <i>Salpa</i> .	
iii	75	Salpa Caboti Desor.	Nantucket.
iii	76	Pelagia quinquecirrha Desor.	Nantucket.

Carpenter.—Catalogue of the collection of Mazatlan Shells in the British Museum, collected by Frederick Reigen, described by PHILIP P. CARPENTER. London, 1857.¹

July, 1855.

CLASS **BRYOZOA.**

[Omitted, according to the general plan of my work, vid. Preface.—W. G. B.]

CLASS **TUNICATA.**

(None.)

CLASS **PALLIOBRANCHIATA.**

Page.

- 7 *Discina Cumingii* Brod.
Orbicula Cumingii Brod.

CLASS **LAMELLIBRANCHIATA.**

Page.

- 8 *Pholadidea melanura* Sowb.
(Pholas.)
9 *ourta*? Sowb. (Pholas.)
9 *Parapholas calva* Gray.
Pholas calva Sowb.
12 *acuminata* Sowb.
Pholas acuminata.
Aug. 1855.
13 *Martesia intercalata* Carp.
13 ———?
14 *Gastrochaena truncata* Sow.
15 *ovata* Sowb.
16 *Saxicava arctica* Linn.
? S. sordida Sowb.
? S. Cordieri Gould.
S. solida.
S. distorta Say.
S. pholadis.
17 *Petricola robusta* Sowb.
? P. bulbosa Gould.
19 *ventricosa* Desh.
P. denticulata Sowb.
19 ——— (sp. ined.)

Page.

- 20 *Rupellaria lingua-fella* Carp.
20 *exarata* Carp.
21 ——— (sp. ined.)
21 *Corbula bicarinata* Sowb.
22 *biradiata* Sowb.
22 *pustulosa* Carp.
23 *? ovulata* Sowb.
23 ——— (sp. ined.)
24 *Sphaenia fragilis* Carp.
25 *Tyleria fragilis* Adams.
26 *Lyonsia picta* Sowb.
? L. cuneata Orb.
? Anatina cuneata Gray.
27 *Soleourtus affinis* C. B. Ad.
27 *politus* Carp.
27 *violascens* Carp.
(S. W. Mexico.)
28 ——— (sp. ined.)
28 *Semele proxima* C. B. Ad.
28 *? venusta* A. Adams.
Amphidema venusta Rve.
29 *Cumingia lamellosa* Sowb.
Lavignon lamellosa Orb.

¹ This is the date of the title. Each signature bears a date, commencing with July, 1855.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
30	Cumingia trigonularis Sowb. <i>Lavignea triangularis</i> Gr.	42	? Iphigenia lævigata . <i>Capsa lævigata</i> .
30	Californica Conrad.	43	Donax carinatus Hanley.
31	—— (sp. ined.) [Desh.	43	culminatus Carp.
31	Sanguinolaria purpurea ? <i>Tellina minata</i> Gould.	44	transversus Sowb.
32	Tellina rufescens Ch. <i>T. operculata</i> Gmel. <i>cruenta</i> Sol. <i>opercularis</i> Sowb.	44	assimilis Hanley.
32	Broderipii Desh.	44	punctato-striatus Hanley. <i>D. radiatus</i> Val. ? <i>flezuosus</i> Gould.
33	Mazatlanica Desh.	46	punctato-striatus var. <i>cælatus</i> .
33	Dombeyi Hanley.	47	Conradi Desh. <i>D. contusus</i> Rve. <i>Californicus</i> Conrad. <i>cultus</i> Hanley.
34	felix Hanley.	50	navicula Hanley.
34	straminea Desh.	50	Mactra exoleta Gr.
34	donacilla Carp.	51	(<i>spissula</i>) fragilis Chemn. <i>M. ovalina</i> Lam. <i>Brasiliana</i> Lam. <i>oblonga</i> Say.
35	punicea Born. <i>Donax Martinicensis</i> Lam. <i>T. alternata</i> Sowb. <i>angulosa</i> Gmel. <i>simulans</i> C. B. Adams. ? <i>striata</i> Chemn.	52	angulata Gr. (<i>Mulinia</i> .)
36	? Cumingi Hanley.	52	Gnathodon trigona Pet. (<i>Rangia</i> .) [Carp.]
36	? eburnea Hanley.	54	? Clementia gracillima
36	? regularis Carp.	54	Trigona radiata Sowb. <i>Cytherea radiata</i> . <i>Venus Solangensis</i> . <i>T. Byronensis</i> Gr. <i>Cytherea corbicula</i> Mke. ? <i>semifulva</i> Mke. ? <i>gracilior</i> Sowb. ? <i>Hindsi</i> Hanley. ? <i>intermedia</i> Sow.
Sept. 1855.		57	humilis Carp.
37	lamellata Carp.	58	argentina Sowb. (<i>Cytherea</i>).
37	? ? puella C. B. Adams.	58	? ? crassatelloides Conr. <i>Cytherea crassatelloides</i> Hanley.
37	? ? delicatula Desh.	59	planulata Br. and Sowb. <i>Cytherea planulata</i> . <i>Venus planulata</i> . <i>Cytherea undulata</i> Sowb.
38	brevirostris Desh.		
38	? denticulata Desh.		
38	—— (sp. ined.)		
38	—— (sp. ined.)		
39	Burneti Br. and Sowb. <i>Lucina cristata</i> Recl.		
39	Strigilla (<i>Tellina</i>) carriaria L. <i>Cardium carneosum</i> D. Cos. <i>Lucina carriaria</i> Lam. ? <i>S. miniata</i> Gould.		
41	? lenticula Phil. <i>Tellina lenticula</i> Phil.		
41	—— (sp. ined.)		
42	Iphigenia altior Sowb. (<i>Capsa</i> .)		

[Carpenter, Mazatlan Shells.]

- | Page. | | Page. | |
|-------|--------------------------------------|------------|--|
| | <i>Donax Lessoni</i> Desh. | | <i>Cytherea brevispinosa</i> Sowb. |
| | ? <i>Cytherea mactroides</i> Lam. | 69 | <i>Dione circinata</i> Born. |
| 60 | <i>Dosinia?</i> <i>ponderosa</i> Gr. | | <i>Venus circinata</i> Born. |
| | <i>Artemis ponderosa</i> Gr. | | <i>Guineensis</i> Gmel. |
| | <i>Cytherea gigantea</i> Phil. | | <i>Cytherea Guineensis</i> Lam. |
| | <i>Venus cycloides</i> . | | <i>alternata</i> Br. |
| 61 | <i>Annæ</i> Carp. | | <i>circinata</i> Sowb. |
| 61 | <i>Dunkeri</i> Phil. | 69 | <i>concinna</i> Sowb. |
| | <i>Cytherea Dunkeri</i> Phil. | | <i>Cytherea concinna</i> . |
| | <i>Artemis Dunkeri</i> Rve. | 70 | <i>Cytherea petechialis</i> Lam. |
| | <i>simplex</i> Hanley. | | <i>Meretrix petechialis</i> Enc. M. |
| | <i>D. simplex</i> Desh. | 71 | <i>Venus</i> (<i>Chione</i>) <i>gnidia</i> Br. |
| | <i>Cytherea Pacifica</i> Trosch. | 72 | <i>amathusia</i> Phil. [and Sowb. |
| 62 | <i>Cyclina subquadrata</i> Hanl. | | <i>Chione gnidia</i> (var.) Desh. |
| | <i>Artemis subquadrata</i> . | | ? <i>V. cancellata</i> Mke. |
| | <i>Lucinopsis subquadrata</i> . | | ? <i>succincta</i> Val. |
| | <i>Arthemis saccata</i> Gould. | Oct. 1855. | |
| | <i>Cyclina saccata</i> Desh. | 73 | —— (sp. ined.) |
| 63 | <i>Dione aurantia</i> Hanley. | 74 | (? <i>Chione</i>) <i>distans</i> Phil. |
| | <i>Cytherea aurantia</i> Hanley. | 74 | (<i>Chione</i>) <i>orenilfera</i> Sowb. |
| | <i>Chione aurantia</i> Gr. | | ? <i>Venus elevata</i> Say. |
| | <i>Cytherea aurantiaca</i> Sowb. | | ? <i>radiata</i> Ch. |
| 64 | <i>chionsea</i> Mke. | | <i>portesiana</i> Orb. |
| | <i>Cytherea chionsea</i> Mke. | 75 | ? <i>undatella</i> Sowb. |
| | <i>squalida</i> Sowb. | 75 | <i>Columbiensis</i> Sowb. |
| | <i>Chione squalida</i> Gr. | 76 | —— (sp. ined.) |
| | <i>Venus squalida</i> . | 76 | <i>Tapes histrionica</i> Br. & Sowb. |
| | <i>D. squalida</i> Desh. | | <i>Venus histrionica</i> . |
| | <i>Cytherea biradiata</i> Gr. | | <i>Chione histrionica</i> Desh. |
| | <i>chione</i> (para.) Sb. | 77 | <i>grata</i> Say. |
| | ? <i>elegans</i> Koch. | | <i>Venus grata</i> Say. |
| 66 | <i>rosea</i> Br. and Sowb. | | <i>Chione grata</i> Desh. |
| | <i>Cytherea rosea</i> . | | <i>Venus tricolor</i> Sowb. |
| | <i>D. rosea</i> Desh. | | <i>discors</i> Sowb. |
| | <i>Cytherea lepida</i> Chenu. | | <i>Tapes discors</i> Sowb. |
| 67 | <i>lupinaria</i> Less. | | <i>Chione discors</i> Gr. |
| | <i>Cytherea lupinaria</i> Less. | | ? <i>Venus Entobapta</i> Jonas. |
| | <i>Venus lupinaria</i> . | | ? <i>neglecta</i> Phil. |
| | <i>Chione lupinaria</i> Gr. | 78 | <i>squamosa</i> Carp. [Sowb. |
| | <i>Cytherea dione</i> (var.) Brod. | 79 | <i>Anomalocardia subrugosa</i> |
| | <i>semilamellosa</i> Gd. | | <i>Venus subrugosa</i> Sowb. |
| 68 | ? <i>vulnerata</i> Brod. | | <i>Cytherea subulcata</i> Mke. |
| | <i>Cytherea vulnerata</i> . | 80 | <i>subimbricata</i> Sowb. |
| 69 | ? <i>brevispinosa</i> Sowb. | | <i>Venus subimbricata</i> Sowb. |

[Carpenter, Mazatlan Shells.]

Page.		Page.	
81	<i>Oirce margarita</i> Carp.	101	? <i>Lucina eburnea</i> Rve.
82	<i>subtrigona</i> Carp.	101	—— (sp. ined.)
83	<i>Gouldia pacifica</i> C. B. Ad.	101	? <i>Fimbria</i> —— (sp. ined.)
83	<i>varians</i> Carp.	102	<i>Diplodonta semiaspera</i> ?
84	<i>Cardita Californica</i> Desh.		Phil.
	<i>C. affinis</i> Mke.		? <i>Lucina orbella</i> Gould.
Nov. 1855.			? <i>semireticulata</i> .
85	<i>Venericardia</i> —— (sp. ined.)		? <i>exlata</i> Rve.
86	<i>Trapezium</i> —— (sp. ined.)	103	? <i>semiaspera</i> .
87	<i>Chama frondosa</i> Br.		var. <i>discrepans</i> .
	var. <i>Mexicana</i> .	103	<i>obliqua</i> Phil.
89	var. <i>fornicata</i> .	104	? <i>serricata</i> Rve.
90	<i>spinosa</i> Br.		<i>Lucina serricata</i> Rve.
90	? <i>exogyra</i> Conrad.		<i>Cyrenoida serricata</i> Carp.
91	<i>Cardium</i> (<i>Lævicardium</i>)	105	<i>Kellia suborbicularis</i> Mont.
	<i>elatum</i> Sowb.		<i>Mya suborbicularis</i> Mont.
91	<i>procerum</i> Sowb.		<i>Tellina suborbicularis</i> Tur.
93	? <i>senticosum</i> Sowb.		<i>Petricola suborbicularis</i> Gr.
	<i>C. rastrum</i> Rve.		<i>Tellmya suborbicularis</i> Br.
	? <i>C. muricatum</i> Mke.		<i>tenuis</i> Brown.
93	—— (sp. ined. a.)		<i>lactea</i> Brown.
94	—— (sp. ined. b.)		<i>Erycina Geoffroyii</i> Payr.
94	—— (sp. ined. c.)		<i>Amphidesma physoides</i> Lam.
94	—— (sp. ined. d.)		<i>Bornia inflata</i> Phil.
94	—— (sp. ined. e.)	108	<i>Lasea</i> ? <i>rubra</i> Mont.
94	—— (sp. ined. f.)		<i>Cardium rubrum</i> Mont.
94	<i>alabastrum</i> Carp.		<i>Tellina rubra</i> Tur.
95	<i>graniferum</i> Br. and Sowb.		<i>Kellia rubra</i> Tur.
95	—— (sp. ined. g.)		<i>Poronia rubra</i> Réol.
96	<i>Lucina</i> (<i>Codakia</i>) <i>tigerina</i>		<i>Petricola rubra</i> Gray.
	<i>Venustigerina</i> Linn. [Linn.]		<i>Bornia semilunum</i> Phil.
	<i>Cytherea tigerina</i> Lam.		<i>Erycina violacea</i> Scacchi.
97	?? <i>punctata</i> Linn.		<i>Cycladina Adansonii</i> Cant.
	<i>Venus punctata</i> Linn.		<i>Cyclas australis</i> Lam.
	<i>Cytherea punctata</i> Lam.		<i>Amphidesma nucleola</i> Lam.
97	? <i>annulata</i> Rve.		<i>Autonotus rubra</i> Leach.
98	? <i>muricata</i> Chemn.	Dec. 1855.	
98	<i>exocavata</i> Carp.	109	<i>trigonalis</i> Carp.
98	—— (sp. ined.)	109	? <i>oblonga</i> Carp.
98	<i>pectinata</i> Carp.	110	<i>Lepton Clementinum</i> Carp.
99	<i>cancellaris</i> Phil.	111	<i>Dionæum</i> Carp.
99	<i>Mazatlanica</i> Carp.	111	<i>umbonatum</i> Carp.
100	<i>prolongata</i> Carp.	111	(<i>placunoideum</i> C. W. Ind.)
101	—— (sp. ined.)	112	<i>Pythina sublaevis</i> Carp.

[Carpenter, Mazatlan Shells.]

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|------------|---|------------|-----------------------------------|
| 113 | <i>Montacuta elliptica</i> Carp. | 129 | <i>Lithophagus aristatus</i> |
| 113 | <i>subquadrata</i> Carp. | | (var.) <i>gracillior</i> . |
| 114 | —— (sp. ined.) | 129 | var. <i>tumidior</i> . |
| 114 | <i>Cyrena olivacea</i> Carp. [Phil. | 129 | <i>cinnamomeus</i> Chemn. |
| | <i>C. Fontainei</i> Desh. neo | | <i>Mytilus cinnamomeus</i> Ch. |
| 115 | <i>Mexicana</i> Br. and Sowb. | | <i>Modiola cinnamomea</i> Lam. |
| | <i>C. varians</i> Carp. | | <i>Lithodomus cinnamomeus</i> . |
| | <i>altis</i> Gould. | | <i>Lithophagus cinnamomeus</i> |
| | <i>fragilis</i> Desh. | | Dunk. |
| | ? <i>Floridana</i> Conrad. | 130 | <i>Leiosolenus spatiosus</i> Car. |
| 117 | <i>Anodonta ciconia</i> Gould. | 131 | —— (sp. ined.) |
| | <i>A. sinuata</i> Swainson. | 132 | <i>Arca grandis</i> Br. and Sowb. |
| 118 | <i>Mytilus palliopunctatus</i> | Feb. 1856. | |
| 118 | <i>multiformis</i> Dunk. [Dunk. | 134 | <i>multicostata</i> Sowb. |
| 120 | <i>Septifer Cumingii</i> Récluz. | 134 | ? <i>labiata</i> Sowb. |
| 121 | <i>Modiola capax</i> Conrad. | 134 | <i>bifrons</i> Carp. |
| | <i>M. spinifera</i> Carp. | 135 | <i>tuberculosa</i> Sowb. |
| | ? <i>Mytilus spatula</i> Mke? | 136 | <i>reversa</i> Gray. |
| Jan. 1856. | | | <i>A. hemicardium</i> Koch. |
| 121 | <i>Brasiliensis</i> Ch. | 136 | <i>brevifrons</i> Sowb. |
| | <i>Mytilus</i> mod. <i>Brasiliensis</i> | 137 | <i>emarginata</i> Sowb. |
| | <i>bicolor</i> Brug. [Ch. | 137 | —— (sp. ined.) |
| | <i>Guyanensis</i> Desh. | 138 | <i>Byssosarca pacifica</i> Sowb. |
| | <i>M. Guyanensis</i> Desh. | | <i>Arca pacifica</i> Rve. * |
| | <i>semifusca</i> Sowb. | 139 | <i>mutabilis</i> Sowb. |
| 122 | var. <i>mutabilis</i> . | | <i>Arca mutabilis</i> Rve. |
| 123 | <i>Crenella coarctata</i> Dunk. | 140 | <i>fusca</i> Brug. |
| 124 | <i>Lithophagus attenuatus</i> | | <i>Arca fusca</i> Brug. |
| | Desh. | | <i>barbata</i> (var.) Gmel. |
| | <i>Modiola attenuata</i> Desh. | | <i>bicolorata</i> Chemn. |
| | <i>Lithodomus caudigerus</i> | 140 | <i>vespertilio</i> Carp. |
| | (var.) Sowb. | 141 | <i>illota</i> Sowb. |
| 124 | <i>calyculatus</i> Carp. | | <i>Arca illota</i> Rve. |
| 125 | <i>plumula</i> Hanley. | 141 | <i>gradata</i> Br. and Sowb. |
| | <i>Modiola plumula</i> Hanley. | | <i>Arca gradata</i> . |
| 126 | <i>aristatus</i> Sol. | | <i>squamosa</i> Lam. |
| | <i>Mytilus aristatus</i> Dillw. | | <i>Domingensis</i> Lam. |
| | <i>Lithodomus aristatus</i> Forb. | | <i>clathrata</i> Deifr. |
| | and Hanley. | 143 | <i>solida</i> Sowb. |
| | <i>Myt. lith. striatus</i> J. Sowb. | | <i>Arca solida</i> Rve. |
| | <i>Modiola caudigera</i> Lam. | 144 | <i>Pectunculus inequalis</i> St. |
| | <i>Mytilus Ropan</i> Desh. | | <i>P. pectiniformis</i> Wood. |
| | <i>Lithodomus caudigerus</i> Sow. | | <i>assmills</i> Sowb. |
| | <i>lithophagus</i> Fl. | 144 | ? <i>multicostatus</i> Sowb. |

[Carpenter, Mazatlan Shells.]

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145	<i>Nucula</i> ? <i>exigua</i> Sowb.	March, 1854.	
145	<i>Leda</i> ? <i>Elenensis</i> Sowb.	157	<i>Ostrea iridescent</i> Gray.
	<i>Nucula Elenensis</i> Sowb.		<i>O.</i> (sp. ined. b.) C. B. Ad.
146	<i>Pinna maura</i> Sowb.		<i>O. rufa</i> (pars. l) Gould.
147	<i>lanceolata</i> Sowb.	159	<i>Virginica</i> Gmel.
147	? <i>rugosa</i> Sowb.		<i>O. rostrata</i> , &c. Ch.
148	<i>Avicula sterna</i> Gould.		<i>elongata</i> Sol.
	<i>A. Atlantica</i> Mke.		<i>crassa</i> Ch.
149	<i>Margaritiphora Mazatlanica</i> Hanley.		<i>Gryphæa angulata</i> Lam.
	<i>Meleagrina Mazatlanica</i> Hanley.		<i>O. Canadensis</i> Lam.
150	<i>Isognomon Chemnitzianum</i> d'Orb.		<i>longirostris</i> Lam.
	<i>Perna Chemnitziana</i> d'Orb.		(sp. ined. d.) C. B. Ad.
	<i>flexuosa</i> Sowb.		? <i>rufa</i> Gould (pars.)
151	<i>Janus</i> Carp.	161	<i>Columbiensis</i> Hanley.
152	<i>Pecten circularis</i> Sowb.	161	<i>conchaphila</i> Carp.
152	<i>Spondylus calceifer</i> Carp.	163	<i>conchaphila</i> ? (var.) pal-
	<i>S. Lamarckii</i> Hanl. &c. ?	164	—— (sp. ined.) [mula.
155	—— (sp. ined.)	164	<i>Placunanomia pernoides</i>
155	<i>Plicatula penicillata</i> Carp.	166	<i>foliata</i> Br. [Carp.
	<i>P. dubia</i> (var.) Sowb.		<i>P. echinata</i> Br.
			<i>pectinata</i> Br.
		166	<i>claviculata</i> Carp.
		167	<i>Anomia lampe</i> Gr.
		169	—— (sp. ined.)

CLASS GASTEROPODA.

Sub-class Opisthobranchiata.

Page.		Page.	
170	<i>Cylichna luticola</i> C. B. Ad.	171	<i>Tornatina carinata</i> Carp.
	<i>Bulla</i> (Cyl.) <i>luticola</i> C. B. A.	172	<i>Bulla Adamsi</i> Mke.
	<i>Haminea luticola</i> H. & A. A.	173	? <i>nebulosa</i> Gould.
171	<i>Tornatina infrequens</i>	173	? <i>Quoyii</i> Gray.
	<i>C. B. Adams.</i>	173	<i>exarata</i> Carp.
	<i>Bulla</i> (Torn.) <i>infrequens</i>	174	—— (sp. ined.)
	<i>C. B. Adams.</i>	174	<i>Haminea cymbiformis</i> Car.
	<i>Bulla</i> (Torn.) <i>gracilis</i> Mke.		

Sub-class Pulmonata.

Page.		Page.	
175	<i>Glandina Albersi</i> Pfr.	175	<i>Glandina turris</i> Pfr. (Ach.)
	<i>Achatina Albersi</i> Pfr.		<i>Acicula turris</i> H. & A. Ad.
			<i>Gl. Albersi</i> (var.) <i>turrita</i> C.

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|-------|---|-------|---|
| 176 | Orthalicus zebra <i>Müll.</i>
<i>Buccinum zebra</i> Müll.
<i>Bulla zebra</i> Gmel.
<i>Achatina zebra</i> Pfr.
<i>O. undatus</i> Beck.
<i>zebra</i> Beck.
<i>Helix undatus</i> Fer.
<i>Bulimus melanocheilus</i> Val.
<i>Orthalicus livens</i> Beck.
<i>Bulimus zig-zag</i> Lam.
<i>princeps</i> Brod.
<i>Helix princeps</i> Orb.
<i>Orthalicus princeps</i> Beck.
<i>Achatina pulchella</i> Spix. | 177 | Orthalicus ? Mexicanus <i>Lam.</i>
<i>Bulimus Mexicanus</i> Lam.
<i>Leiostracus Mexicanus</i> H.
<i>Helix vittata</i> Fer. [& A. Ad. |
| 177 | Ziegleri <i>Pfr.</i>
<i>B. Ziegleri</i> Pfr.
<i>Leiostracus Ziegleri</i> H. and
A. Adams. | 178 | Melampus olivaceus <i>Carp.</i> |
| | | 179 | Aplexa aurantia <i>Carp.</i>
<i>Physa Peruviana</i> Mke. non |
| | | 180 | elata <i>Gould.</i> [Gr.
<i>P. elata</i> Gould. |
| | | | April, 1856. |
| | | 181 | Planorbis tumens <i>Carp.</i>
<i>Pl. affinis</i> <i>Carp.</i> non C. B.
<i>tenagophilus</i> Mke. [Ad. |
| | | 182 | Siphonaria Leocanium <i>Phil.</i> |
| | | 183 | var. <i>palmata.</i> |
| | | 184 | sequilrata <i>Carp.</i> |
| | | 184 | —— (sp. ined.) |

Sub-class Prosobranchiata.

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|-------|---|-------|--|
| 185 | Janthina striulata. | 198 | Acanthochites Arragon-
<i>ites</i> <i>Carp.</i> |
| 186 | var. <i>contorta.</i> | 199 | Patella Mexicana <i>Br. and</i>
<i>Lottia gigantea.</i> [Sowb. |
| 187 | decollata. | | <i>P. maxima.</i> |
| 188 | Dentalium liratum <i>Carp.</i> | 200 | pediculus <i>Phil.</i>
<i>P. corrugata</i> Rve. |
| 188 | hyalinum <i>Phil.</i> | 201 | discors <i>Phil.</i> |
| 189 | corrugatum <i>Carp.</i> | 202 | Nacella —— (sp. ined.) |
| 189 | ? pretiosum <i>Nutt.</i> | 203 | Acmæa mesoleuca <i>Mke.</i>
<i>A. mutabilis</i> Mke.
<i>Patella diaphana</i> Rve.
<i>Lottia patina</i> C. B. Ad.
<i>P. personoides</i> (pars?) Mid.
<i>aruginosa</i> ? Midd.
<i>L. pintadina</i> Gld. (pars.) |
| 190 | Lophyrus articulatus <i>Sowb.</i>
<i>Chiton articulatus</i> Sowb. | | May, 1856. |
| 191 | albolineatus <i>Br. and Sowb.</i>
<i>Chiton albolineatus.</i> | 205 | fasciularis <i>Mke.</i>
<i>A. mutabilis</i> (pars.)
<i>Patella opea</i> Rve.
<i>discors</i> <i>Carp.</i> |
| 192 | striatosquamosus <i>Carp.</i> | 207 | patina <i>Esch.</i> |
| 193 | ? Toniola Forbesii <i>Carp.</i> | | |
| 194 | Lepidopleurus sanguineus
[<i>Rve.</i>
<i>Chiton sanguineus</i> Rve. | | |
| 195 | olathratus <i>Carp.</i> | | |
| 195 | bullatus <i>Carp.</i> | | |
| 196 | var. <i>caloiferus.</i> | | |
| 196 | Mac Andrei <i>Carp.</i> | | |
| 197 | Beanii <i>Carp.</i> | | |
| 198 | Chiton flavescens <i>Carp.</i> | | |

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Page.		Page.	
	<i>A. scutum</i> Esch.		<i>Cremides Peruviana</i> H. and
	<i>P. mammillata</i> Nutt.		[A. Adams.
	<i>tessellata</i> Nutt.	219	<i>Fissurella spongiosa</i> Carp.
	<i>fenestrata</i> Nutt.	220	<i>Glyphis inaequalis</i> Sowb.
	<i>verruculata</i> Ewe.		<i>Fissurella inaequalis</i> Sowb.
	<i>cinis</i> Ewe.		<i>Lucapina inaequalis</i> H. & A.
	<i>Nuttalliana</i> Ewe.		<i>Fissurella pica</i> Sowb. [Ad.
	? <i>Cumingii</i> Ewe.		<i>Lucapina pica</i> H. & A. Ad.
	<i>diaphana</i> Nutt.	221	<i>alta</i> C. B. Adams.
	<i>L. pintadina</i> Gld. (pars.)		<i>Fissurella alta</i> C. B. Ad.
208	<i>Aomæa persona</i> Esch.		<i>Lucapina alta</i> H. & A. Ad.
	<i>A. radiata</i> Esch.	222	<i>Rimula Mazatlanica</i> Carp.
	<i>ancylus</i> Esch.	223	<i>Callopoma (Turbo) fluctuosum</i> Mawe.
	<i>scutum</i> D'Orb.		<i>Trochus Fokkesii</i> Jonas.
	<i>Lotia punctata</i> Gr.	224	<i>Phasianella perforata</i> Phil.
	<i>Patella Oregona</i> Nutt.	225	var. <i>striulata</i> .
	<i>umbonata</i> Nutt.	225	<i>oompta</i> Gould. [Beck.
	<i>pileata</i> Nutt.	226	<i>Bankivia varians</i> (junior)
209	<i>scabra</i> Nutt.		<i>Phasianella fasciata</i> Mke.
210	<i>mitella</i> Mke.		<i>undatella</i> Mke.
	<i>P. navicula</i> Ewe. [Carp.		<i>fulminata</i> Mke.
211	<i>Scutellina navicelloides</i>	227	<i>Uvanilla (Imperator) olivacea</i> Mawe.
212	<i>Gadinia pentagoniostoma</i>		<i>Trochus olivaceus</i> Gr.
	Sowb. [Sowb.		<i>Imperator olivaceus</i> Carp.
	<i>Siphonaria pentagoniostoma</i>		<i>U. olivacea</i> H. and A. Ad.
213	<i>Fissurella virescens</i> Sowb.		<i>Trochus brevispinosus</i> Val.
215	<i>Barbadensis</i> Gmel.		<i>erythrophthalmus</i> Phil.
	<i>Patella Barbadensis</i> Gmel.		? <i>Melchermi</i> Mke.
	<i>perforata</i> Gmel.		
	<i>rosea</i> Gmel.		
	<i>porphyrozonias</i> Gm.	June, 1856.	
	<i>Cremides Barbadensis</i> H.	229	<i>inermis</i> Gmel.
215	<i>rugosa</i> Sowb. [and A. Ad.		<i>Trochus inermis</i> Gmel.
	<i>Cremides rugosa</i> H. & A. Ad.		<i>olivaceus</i> Phil. non
	<i>F. chlorotrema</i> Mke.	229	<i>unguis</i> Mawe. [Gray.
	<i>humilis</i> Mke.		<i>Trochus unguis</i> Mawe.
	<i>viminea</i> Mke.		<i>Turbo unguis</i> Desh.
	<i>virescens</i> (jun.) Carp.		<i>digitatus</i> Desh.
217	<i>nigrocinota</i> Carp.		<i>Trochus amictus</i> Val.
217	— (sp. ined.)		? <i>stellaris</i> Mke.
218	<i>alba</i> Carp.	231	<i>Trochus versicolor</i> Mke.
219	<i>Peruviana</i> Lam.		? <i>Ziziphinus Californicus</i>
	<i>F. subrotundata</i> Desh.	232	<i>Mac Andrew</i> Carp. [A. Ad.
	<i>affinis</i> (var.)		

[Carpenter, Mazatlan Shells.]

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|-------|---|-------------|--|
| 233 | Omphalius ? rugosus (var.)
<i>rufotinctus</i> .
? <i>Chlorostoma rugosum</i> A. | 251 | Ethalia pyricallousa Carp. |
| 234 | viridulus Gmel. [Adams.
<i>Trochus viridula</i> Gmel.
<i>Globulus</i> , &c. Chemn.
<i>Phorcus variegatus</i> A. Ad.
<i>Trochus Brasiliensis</i> Mke.
<i>Byronianus</i> Wood.
<i>reticulatus</i> Gould. | 251 | lirulata Carp. |
| 235 | Omphalius ligulatus Mke.
<i>Trochus ligulatus</i> Mke.
? <i>Phorcus Californicus</i> A.
Adams.
<i>O. Californicus</i> H. & A. Ad.
<i>Trochus magus</i> , &c. &c. | 252 | pallidula Carp. |
| 236 | globulus Carp.
<i>Trochus glomus</i> Mke. | 252 | carinata Carp. |
| 238 | Vitrinella Panamensis C. | June, 1856. | |
| 238 | parva C. B. Ad. [B. Ad.
<i>V. clathrata</i> Carp. | 253 | amplectans Carp. [Carp. |
| 239 | deoussata Carp. | 253 | Teinostoma amplectans |
| 240 | monile Carp. | 254 | substriatum Carp. |
| 240 | monilifera Carp. | 254 | Trochus — (sp. ined.) |
| 241 | lirulata Carp. | 255 | Nerita scabricosta Lam.
<i>N. ornata</i> Sowb.
<i>Deshayesii</i> Récl.
<i>multijugis</i> Mke.
<i>Pila multijugis</i> H. & A. Ad.
<i>ornata</i> H. & A. Ad.
<i>scabricosta</i> H. & A. Ad. |
| 241 | subquadrata Carp. | 257 | Bernhardi Récl.
<i>N. funiculata</i> Mke.
<i>N. —</i> (sp. ined. a.) C.
B. Adams.
<i>Theliostyla Bernhardi</i> H.
and A. Adams. |
| 241 | biflata Carp. | 258 | Neritina cassiolum Sowb. |
| 242 | bifrontia Carp. | 259 | picta Sowb.
<i>Vitta picta</i> H. and A. Ad. |
| 243 | perparva C. B. Adams.
var. <i>nodosa</i> .
<i>V. nodosa</i> Carp. | 262 | Vanikoro cryptophila Car. |
| 243 | exigua C. B. Adams. | 264 | Trochita ventricosa Carp. |
| 244 | coronata Carp. | July, 1856. | |
| 245 | ? annulata Carp. | 265 | Galerus conicus Brod.
<i>Calyptræa (Siphopatella)</i>
<i>conica</i> Brod. |
| 245 | cinota Carp. | 266 | mamillaris Brod.
<i>Calyptræa (Siphopatella)</i>
<i>mamillaris</i> .
<i>C. regularis</i> C. B. Ad.
<i>Lamarckii</i> Mke.
? <i>lichen</i> Brod.
<i>G. lichen</i> H. and A. Ad. |
| 246 | carinulata Carp. | 268 | Crepidula aculeata Gmel.
<i>Patella aculeata</i> Gmel.
<i>fornicata</i> , &c. Ch.
<i>La Retorte épineuse</i> Fav.
<i>Crepidatella aculeata</i> H. &
A. Adams. |
| 246 | ? naticoides Carp. | | |
| 246 | ? planospirata Carp. | | |
| 247 | ? orbis Carp. | | |
| 248 | ? Idotia carinata Carp. | | |
| 248 | ? striolata Carp. | | |
| 249 | ?? C. B. Adamsii Carp. | | |
| 249 | ? — (sp. ined.) | | |
| 250 | ? Globulus tumens Carp. | | |

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	<i>Crepidula capensis</i> H. & A. Adams.		<i>Crypta incurva</i> H. & A. A.
	<i>Calyptræa echinus</i> Br.	278	<i>Crepidula hepatica</i> Mke.
	<i>hystrix</i> Br.		<i>Crepidula onyx</i> Sowb.
	<i>Crepidula hystrix</i> Br.		<i>Crypta onyx</i> H. & A. Ad.
	<i>costata</i> Mke.		? <i>Crepidula hepatica</i> C.B.A.
	<i>Californica</i> Nutt.		<i>Crepidatella hepatica</i> H. & A. Adams.
272	<i>Crepidula dilatata</i> Lam.		<i>Calyptræa amygdalus</i> Val.
	[A. Ad.		<i>Crepidula contorta</i> Mke.
	<i>Crepidatella dilatata</i> H. &		<i>Cerithicola</i> Mke.
	<i>Crepidula depressa</i> Desh.	280	<i>nivea</i> C. B. Adams.
	<i>Peruviana</i> Lam.		<i>Crypta nivea</i> H. & A. Ad.
	<i>Crypta Peruviana</i> H. & A. A.		<i>Calyptræa squama</i> Br.
	<i>patula</i> H. & A. A.		<i>Crepidula squama</i> Lam.
	<i>Crepidula patula</i> Desh.		<i>Ianacus squama</i> H. & A. A.
	<i>Adolphei</i> Less.		<i>Crepidula Gorensis</i> Mke.
	<i>Crepidatella Adolphei</i> H. & A. Adams.		<i>striolata</i> Mke.
	<i>Crepidula Nautiloides</i> Less.		<i>Lessonii</i> Br.
	<i>striata</i> Lam.		<i>Ianacus Lessonii</i> H. & A. A.
	<i>Calyptræa striata</i> Br.		<i>unguiculus</i> Sowb.
	<i>Crepidatella striata</i> H. & A. Adams.		<i>Crepidula unguicula</i> Br.
	<i>pallida</i> Br.	284	? <i>unguiformis</i> Lam.
	<i>Crepidula pallida</i> Lam.		<i>Patella crepidula</i> Linn.
	<i>arcuata</i> D'Orb.		<i>unguiformis</i> Lam.
	<i>Calyptræa foliacea</i> Br.		<i>Italica</i> DeFr.
	<i>Crepidula Patagonica</i> D'O.		<i>plana</i> Say. [Ad.
273	? <i>dorsata</i> Br. (var.) bilobata.		<i>Ianacus unguiformis</i> H. & A.
	<i>Calyptræa dorsata</i> Br.	287	<i>Crucibulum imbricatum</i> Sowb.
274	<i>excavata</i> Brod.		<i>Calyptræa imbricata</i> Sowb.
	<i>Calyptræa excavata</i> Br.		<i>Crucibulum scutellatum</i> Gr.
275	<i>adunca</i> Sowb.		<i>Patella scutellata</i> Gr.
	<i>C. solida</i> Hinds.		<i>Calyptræa rugosa</i> Less.
	<i>Crypta solida</i> H. & A. Ad.		<i>auriculata</i> Carp.
	<i>Crepidula rostriformis</i> Gld.		<i>extinctorum</i> Sb.
	<i>rostrata</i> C. B. A.		<i>Crucibulum extinctorum</i> H. and A. Adams.
	<i>Crypta rostrata</i> H. & A. Ad.		<i>Calyptræa rugosa</i> Val.
	<i>Crepidula uncata</i> Mke.		<i>dentata</i> Mke.
	<i>incurva</i> (var.) Carp.		<i>auricularis</i> Des.
	<i>Garnotia solida</i> Gray.	Aug. 1836.	
276	<i>incurva</i> Brod.	290	<i>spinosum</i> Sowb.

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Page.		Page.	
	<i>Calyptræa spinosa</i> Sowb.	308	—— (sp. ined. b.)
	<i>Patella Peziza</i> Wood.	309	<i>Petalococonchus macro-</i> <i>phragma</i> Carp.
	<i>Calyptræa tubifera</i> Less.	315	<i>Cæcum insculptum</i> Carp.
	<i>Dispolia tubifera</i> Say.	315	<i>subspirale</i> Carp.
	<i>Calyptræa auriculata</i> D'Or.	316	<i>abnormale</i> Carp.
	<i>tenuis</i> Br.	317	<i>obtusum</i> Carp.
	<i>hispida</i> Br. [Ad.	317	<i>liratoconotum</i> Carp.
	<i>Crucibulum hispida</i> H. & A.	318	<i>var. tenuiliratum.</i>
	<i>maculatum</i> H. & A. A.	318	<i>var. subobsoletum.</i>
	<i>Calyptræa maculata</i> Br.	318	<i>var. subconicum.</i>
295	<i>Calyptræa cepacea</i> Br.	319	<i>heptagonum</i> Carp.
296	<i>Hipponyx serratus</i> Carp.	319	<i>elongatum</i> Carp.
297	<i>antiquatus</i> Linn.	319	<i>var. semilæve.</i>
	<i>Patella antiquata</i> Linn.	320	<i>subimpressum</i> Carp.
	<i>Lepas alba</i> Mart.	320	<i>firmatum</i> C. B. Adams.
	<i>Patella mitrula</i> Gmel.		<i>C. eburneum</i> C. B. Ad.
	<i>nivea</i> Gmel.		<i>monstrosum</i> C. B. Ad.
	<i>Le Soron</i> Adams.		<i>pygmaeum</i> C. B. Ad.
	<i>Pileopsis antiquata</i> F. & H.		<i>diminutum</i> C. B. Ad.
	<i>Concholepas antiquatus</i> H.	322	<i>olathratum</i> Carp.
	and A. Adams.	322	<i>quadratum</i> Carp.
	<i>Pileopsis mitrula</i> Lam.	322	<i>var. compactum.</i>
	<i>Capulus mitrula</i> Dunk.	323	<i>undatum</i> Carp.
	<i>Hipponice mitrale</i> DeFr.		? <i>C. parvum</i> C. B. Adams.
	<i>Hipponyx Panamensis</i> C.	Sept. 1856.	
	B. Ad. [A. Ad.	325	<i>læve</i> C. B. Adams.
	<i>Amalthea Panamensis</i> H. &	326	<i>farcimen</i> Carp.
298	<i>planatus</i> Carp.	327	<i>glabriforme</i> Carp.
299	<i>barbatus</i> Sowb.	327	<i>corrugulatum</i> Carp.
	? <i>H. australis</i> Mke.	328	<i>dextroversum</i> Carp.
299	(<i>Amalthea</i>) <i>Grayanus</i> Mke.	329	<i>reversum</i> Carp.
	<i>H. radiata</i> Gr.	329	<i>teres</i> Carp.
300	<i>Capulus</i> —— (sp. ined.)	330	<i>Turitella gonistoma</i> Val.
301	<i>Aletes oentiquadrus</i> Val.		<i>Haustator gonistoma</i> H. &
	<i>Vermetus centiquadrus</i> Val.		A. Adams.
	<i>Peronii</i> Val.		<i>T. lentiginosa</i> Rve.
302	<i>var. imbricatus.</i>		<i>Hookeri</i> Mke.
303	<i>margaritarum</i> Val.	332	<i>tigrina</i> Kien.
	<i>Vermetus margaritarum</i> Val.		<i>Haustator tigrina</i> H. & A. A.
304	<i>Vermetus eburneus</i> Rve.		<i>T. imbricata</i> Mke.
305	? <i>Elvonia contorta</i> Carp.	333	<i>Cerithium maculosum</i> Kien.
307	? <i>var. indentata.</i>		<i>C. adustum</i> Kien.
307	<i>albida</i> Carp.		<i>nebulosum</i> Sowb.
307	—— (sp. ined. a.)		

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334	<i>Cerithium</i> ? <i>famelicium</i> C. B. Adams. <i>C. uncinatum</i> Sowb.	352	<i>Modulus catenulatus</i> Phil. <i>Trochus catenulatus</i> Küst. <i>M. trochiformis</i> Ry. & Soul. <i>Carchedonicus</i> Carp.
334	var. <i>mediolæve</i> . <i>C. umbonatum</i> Sowb.	353	— (sp. ined.)
335	? <i>uncinatum</i> Gmel. <i>Murex uncinatus</i> Gmel. No. 198 Schr. <i>Strombus muricatus</i> &c. So. <i>C. famelicum</i> (pars.) C.B.A.	353	<i>disculus</i> Phil. <i>Trochus disculus</i> Phil. <i>M. duplicatus</i> (var.) A.Ad. <i>dorsuosus</i> Gould.
336	— (sp. ined. a.)	354	<i>Fossarus tuberosus</i> Carp. ? <i>Trichotropis</i> (sp. 1.) [Carp.
336	<i>alboliratum</i> Carp.	354	<i>angulatus</i> Carp.
337	— (sp. ined. b.)	355	<i>Isapis maculosa</i> Carp.
337	<i>sterous-muscarum</i> Val. <i>C. irroratum</i> Gould. <i>occellatum</i> Mke.	356	— (? sp. ined.)
338	<i>interruptum</i> Mke. ? <i>C.</i> — (sp. ined.) C.B.A.	356	<i>Rissoina stricta</i> Mke. <i>Rissoa stricta</i> Mke.
339	<i>Vertagus gemmatus</i> Hinds. <i>Cerithium gemmatum</i> Hds. <i>V. gemmatus</i> H. & A. Ad.	357	— (sp. ined.)
340	— (sp. ined.)	357	<i>Woodwardii</i> Carp.
341	<i>Triforis alternatus</i> C. B. Ad.	358	<i>lirata</i> Carp.
341	<i>Inconspicuous</i> C. B. Ad.	359	<i>Alvania excurvata</i> Carp.
342	? <i>infrequens</i> C. B. Ad.	359	<i>effusa</i> Carp.
342	<i>Cerithidea Montagnei</i> D'O. <i>Cerithium Montagnei</i> D'Or. <i>Reeveanum</i> C. B. A.	360	<i>tumida</i> Carp.
344	<i>varicosa</i> Sowb. (var.) Mazatlanica. <i>C. varicosum</i> Sowb. ? <i>validum</i> C. B. Ad.	360	— (sp. ined.)
346	<i>Littorina conspersa</i> Phil. <i>L. puncticulata</i> Phil. <i>Melaraphe puncticulata</i> H. and A. Adams. <i>L. modesta</i> Mke.	360	<i>Cingula</i> — (sp. ined.)
348	<i>aspera</i> Phil. <i>Melaraphe aspera</i> H. & A. A.	361	<i>Hydrobia ulvæ</i> Penn. <i>Turbo ulvæ</i> Penn. <i>Paludinella stagnalis</i> Midd. ? <i>Helix stagnalis</i> Linn.
Oct. 1856.		361	— (sp. ined.)
349	<i>Philippii</i> Carp.	362	<i>Jeffreyssia bifasciata</i> Carp.
350	— (sp. ined.)	362	? <i>Alderii</i> Carp.
351	<i>Littorina fasciata</i> Gray. <i>Melaraphe fasciata</i> Gr.	363	<i>tumens</i> Carp.
		363	? — (sp. ined.)
		364	<i>Truncatella</i> — (sp. ined.)
		364	<i>Planaxis nigrifella</i> Forbes. <i>Pl. acutus</i> Mke. <i>obsoletus</i> Mke.
		366	<i>Alaba supralirata</i> Carp.
		367	<i>violacea</i> Carp.
		367	<i>terebialis</i> Carp.
		368	<i>alabastrites</i> Carp.
		368	<i>scalata</i> Carp.

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| 368 | <i>Alaba</i> ? <i>conica</i> Carp. | Nov. 1856. | |
| 369 | ? <i>mutans</i> Carp. | 385 | <i>Myurella</i> <i>Hindsi</i> Carp. |
| 369 | ? <i>laguncula</i> Carp. | 386 | <i>subnodosa</i> Carp. |
| 370 | ? ——— (sp. ined. a.) | 386 | <i>rufocinerea</i> Carp. |
| 370 | ? ——— (sp. ined. b.) | 387 | <i>Subula</i> <i>luctuosa</i> Hinds. |
| 370 | <i>Ovula</i> <i>variabilis</i> C. B. Ad. | | <i>Terebra</i> <i>luctuosa</i> Hinds. |
| | <i>O. Californica</i> Sowb. | | <i>Hastula</i> <i>luctuosa</i> H. & A. A. |
| 371 | <i>Cypræa</i> <i>exanthema</i> Linn. | 388 | <i>Euryta</i> <i>fulgurata</i> Phil. |
| | <i>C. zebra</i> Linn. | | <i>Terebra</i> <i>arguta</i> Gould. |
| | <i>cervinetta</i> Kien. | 389 | <i>aciculata</i> Lam. [Lam. |
| | <i>cervæ</i> (var.) Rve. | | ? <i>Buccinum</i> <i>aciculatum</i> |
| Oct. 1856. | | | <i>Terebra</i> <i>aciculata</i> Gr. |
| 373 | <i>Luponia</i> ? <i>spurea</i> Linn. | 390 | <i>Pleurotoma</i> <i>funiculata</i> Val. |
| | <i>Cypræa</i> <i>spurea</i> Linn. | | <i>P. olivacea</i> (var.) Rve. |
| | <i>flavola</i> Lam. | | <i>Sarcula</i> <i>funiculata</i> H. & A. |
| | <i>acicularis</i> Gmel. | 391 | <i>maculosa</i> Sowb. [Ad. |
| 373 | <i>Aricia</i> <i>arabacula</i> Lam. | | <i>Drillia</i> <i>maculosa</i> H. & A. A. |
| | <i>Cypræa</i> <i>arabacula</i> Lam. | 392 | <i>Drillia</i> <i>incrassata</i> Sowb. |
| | ? <i>punctulata</i> Gr. | | <i>Pleurotoma</i> <i>incrassata</i> Sb. |
| 375 | <i>Trivia</i> <i>pustulata</i> Lam. | | <i>Crassispira</i> <i>incrassata</i> H. |
| | <i>Cypræa</i> <i>pustulata</i> Lam. | | & A. Adams. |
| | <i>Pustularia</i> <i>pustulata</i> H. & | | <i>Pleurotoma</i> <i>Bottæ</i> Kien. |
| 376 | <i>radians</i> Lam. [A. Ad. | 393 | <i>rudis</i> Sowb. |
| | <i>Cypræa</i> <i>radians</i> Lam. | | <i>Pleurotoma</i> <i>rudis</i> Sowb. |
| | <i>oniscus</i> Wood. | | <i>Crassispira</i> <i>rudis</i> H. & A. A. |
| 377 | <i>Solandri</i> Gray. | 393 | <i>aterrima</i> Sowb. var. <i>Mel-</i> |
| | <i>Cypræa</i> <i>Solandri</i> Sowb. | | <i>cheral</i> . |
| 378 | <i>sanguinea</i> Gr. | | <i>Pleurotoma</i> <i>aterrima</i> Sowb. |
| | <i>Cypræa</i> <i>sanguinea</i> Sowb. | | <i>Crassispira</i> <i>aterrima</i> H. & |
| | <i>fusca</i> Gray. | | A. Adams. |
| 379 | <i>pulla</i> Gaskoin. | | ? <i>Pleurotoma</i> <i>maura</i> Val. |
| | <i>C. pulla</i> Gaskoin. | | <i>Melchersi</i> Mke. |
| 379 | <i>subrostrata</i> Gray. | | ? <i>discors</i> Sowb. |
| | <i>Cypræa</i> <i>subrostrata</i> Sowb. | | ? <i>atrior</i> C. B. A. |
| 380 | <i>Cancellaria</i> <i>urceolata</i> Hind. | | <i>rustica</i> Carp. |
| | <i>C. obesa</i> Carp. | 394 | ? <i>cerithioides</i> Carp. |
| | ? <i>ovata</i> Mke. | 395 | <i>zonulata</i> Rve. |
| 380 | <i>goniostoma</i> Sowb. | | <i>Pleurotoma</i> <i>cincta</i> Sowb. |
| 381 | <i>Strombus</i> <i>galeatus</i> Swains. | | <i>zonulata</i> Rve. |
| | <i>S. galea</i> Wood. | | <i>Crassispira</i> <i>zonulata</i> H. & |
| | <i>crenatus</i> Sowb. | 395 | <i>monilifera</i> Carp. [A. Ad. |
| 382 | <i>granulatus</i> Swains. | 396 | <i>albovallosa</i> Carp. |
| 383 | <i>gracillior</i> Sowb. | 397 | <i>albonodosa</i> Carp. |
| 384 | <i>Myurella</i> <i>albo-cincta</i> Carp. | 397 | <i>luctuosa</i> Hinds. |

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	<i>Clavatula luctuosa</i> Hinds.		<i>Pyramidella conica</i> C. B. A.
	<i>Pleurotoma luctuosa</i> Rve.	410	<i>Odostomia subulirulata</i> Car.
	<i>Crassispira luctuosa</i> H. &	410	—— (sp. ined.)
	A. Adams.	411	<i>lamellata</i> Carp.
398	? <i>Hanleyi</i> Carp.	411	<i>subsulcata</i> Carp.
398	—— (sp. ined.)	411	<i>vallata</i> Carp.
398	—— (sp. ined.)	412	<i>mammillata</i> Carp.
399	<i>Clathurella rava</i> Hinds.	412	<i>tenuis</i> Carp.
	<i>Clavatula rava</i> Hinds.	413	<i>Auriculina</i> — (sp. ined. a.)
	<i>Defrancia rava</i> H. & A. A.	413	—— (sp. ined. b.)
	? <i>Pleurotoma rava</i> Rve.	413	—— (sp. ined. c.)
400	<i>aurea</i> Carp.	413	<i>Parthenia scalariformis</i> Cp.
400	<i>Mangelia</i> ? <i>acuticoostata</i>	414	<i>quinquecostata</i> Carp.
	var. <i>subangulata</i> .	414	<i>lacunata</i> Carp.
401	<i>Cithara</i> — (sp. ined.)	415	<i>armata</i> Carp.
401	<i>Conus regularis</i> Sowb.	415	<i>exarata</i> Carp.
	<i>Leptoconus regularis</i> H. &	416	<i>ziziphina</i> Carp.
402	<i>purpurascens</i> Br. [A. Ad.	417	<i>Chrysallida ovata</i> Carp.
	<i>Chelyconus purpurascens</i> H.	417	<i>nodosa</i> Carp.
	and A. Adams.	418	<i>rotundata</i> Carp.
	<i>Conus comptus</i> Gould.	418	<i>oblonga</i> Carp.
	? <i>interruptus</i> Br. & S.	419	<i>communis</i> C. B. Ad.
403	<i>regalitatidis</i> Sowb.		<i>Chemnitzia communis</i> C. B.
	? <i>C. achatinus</i> Mke.		Adams.
	? <i>purpurascens</i> (var.)	Dec. 1856.	
	<i>Chelyconus regalitatidis</i> H. &	421	<i>telescopium</i> Carp.
404	<i>arenatus</i> Brug. [A. Ad.	422	<i>Reigeni</i> Carp.
404	<i>puncticulatus</i> Hwass.	422	<i>effusa</i> Carp.
	<i>Chelyconus puncticulatus</i>	423	<i>fasciata</i> Carp.
	H. and A. Adams.	423	<i>ovulum</i> Carp.
405	<i>gladiator</i> Brod.	424	<i>clathratula</i> C. B. Adams.
	<i>Rhizoconus gladiator</i> H. &		<i>Chemnitzia clathratula</i> C.
405	<i>nux</i> Brod. [A. Ad.	424	<i>convexa</i> Carp. [B. Ad.
	<i>Coronaxis nux</i> H. & A. Ad.	425	<i>Photis</i> Carp.
406	? <i>scalaris</i> Val.	425	<i>indentata</i> Carp.
406	—— (sp. ined.)	426	? <i>clausiliformis</i> Carp.
407	<i>Torinia</i> ? <i>variegata</i> Lam.	427	<i>Chemnitzia</i> ? <i>Panamensis</i>
	<i>Solarium variegatum</i> Lam.		C. B. Adams.
	<i>Trochus perspectiviunculus</i>	427	<i>C. B. Adamsi</i> Carp.
	Chemn.	428	<i>similis</i> C. B. Ad.
	<i>Euomphalus radiatus</i> Mke.	428	<i>aculeus</i> C. B. Ad.
408	? <i>granosa</i> Val.	428	<i>muricata</i> Carp.
409	<i>Obeliscus</i> ? <i>conicus</i> (jun.)	429	? <i>affinis</i> C. B. Ad.
	C. B. Adams.	429	<i>prolongata</i> Carp.

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| 430 | <i>Chemnitzia gibbosa</i> Carp. | 445 | <i>Cerithiopsis assimilata</i> C.
B. Adams. |
| 430 | —— (sp. ined. a.) | | <i>Cerithium assimilatam</i> C.
B. Adams. |
| 430 | —— (sp. ined. b.) | | |
| 430 | —— (sp. ined. c.) | 446 | <i>Scalaria hexagona</i> Sowb.
<i>Clathrus hexagonus</i> H. & A. |
| 431 | —— (sp. ined. d.) | 446 | <i>suprastrata</i> Carp. [Ad. |
| 431 | <i>gracillima</i> Carp. | 447 | —— (sp. ined. a.) |
| 431 | <i>undata</i> Carp. | 447 | —— (sp. ined. b.) |
| 432 | <i>flavescens</i> Carp. | 447 | <i>raricostata</i> Carp. |
| 432 | <i>terebialis</i> Carp. | 447 | <i>Circotrema funiculata</i> Car. |
| 433 | <i>tenuilirata</i> Carp. | 448 | <i>Natica maroccana</i> Chemn.
<i>Nerita maroccana</i> Chemn.
<i>marochiensis</i> Gm.
<i>glauca</i> Linn. |
| 433 | <i>unifasciata</i> Carp. | | <i>Natica marochiensis</i> Rve.
<i>intermedia</i> Phil.
<i>Poliana</i> Sacchi.
<i>lurida</i> Phil.
<i>unifasciata</i> Lam.
<i>Chemnitziana</i> Pfr.
<i>Chemnitzii</i> Mke.
<i>Pritchardi</i> Forb.
<i>? tostoma</i> Mke. |
| 434 | <i>Dunkeria paucilirata</i> Carp. | | <i>Neverita Chemnitzii</i> H. & |
| 434 | <i>subangulata</i> Carp. | 450 | —— (sp. ined.) [A. Ad. |
| 435 | <i>cancellata</i> Carp. | 451 | <i>Lunatia tenuilirata</i> Carp. |
| 435 | <i>intermedia</i> Carp. | 451 | —— (sp. ined. a.) |
| 436 | ? <i>Eulimella obsoleta</i> Carp. | 451 | —— (sp. ined. b.) |
| 436 | —— (sp. ined. a.) | 451 | —— (sp. ined. c.) |
| 436 | —— (sp. ined. b.) | 452 | <i>Polinices uber</i> Val.
<i>Natica uber</i> Val.
<i>? alabaster</i> Rve. |
| 437 | —— (sp. ined. c.) | 453 | <i>Lamellaria</i> —— (sp. ined. a.) |
| 437 | —— (sp. ined.) | 453 | —— (sp. ined. b.) |
| 437 | <i>Aclis fusiformis</i> Carp. | 453 | <i>Ficula ventricosa</i> Sowb.
<i>Pyrula ventricosa</i> Sowb.
<i>Bulla decussata</i> Wood.
<i>Ficula decussata</i> Rve. |
| 438 | <i>tumens</i> Carp. | 454 | <i>Argobuccinum nodosum</i>
<i>Triton nodosum</i> Mke. [Ch.
<i>Murex argus</i> (var. b.) Gm.
<i>T. Chemnitzii</i> Gray.
<i>Fusus Wiegmanni</i> Ant. |
| 438 | <i>Eulima ? hastata</i> Sowb. | | |
| 438 | —— (sp. ined. a.) | | |
| 438 | —— (sp. ined. b.) | | |
| 439 | <i>Leiostraca ? recta</i> C. B. A.
<i>Eulima recta</i> C. B. Ad. | | |
| 439 | ? <i>solitaria</i> C. B. Adams.
<i>E. solitaria</i> C. B. Adams. | | |
| 439 | —— (sp. ined. a.) | | |
| 440 | —— (sp. ined. b.) | | |
| 440 | <i>linearis</i> Carp. | | |
| 440 | ? <i>iota</i> (var.) <i>retexta</i> . | | |
| 441 | ? <i>distorta</i> (var.) yod.
<i>Melania distorta</i> Phil.
<i>E. distorta</i> Desh. | | |
| 442 | <i>Cerithiopsis tuberculoides</i> | | |
| 443 | var. <i>albonodosa</i> . [Carp. | | |
| 443 | <i>cerea</i> Carp. | | |
| 443 | <i>pupiformis</i> Carp. | | |
| 444 | <i>sorex</i> Carp. | | |
| 444 | <i>convexa</i> Carp. | | |

Jan. 1867.

445 *Cerithiopsis decussata* Car.

[Carpenter, Masatlan Shells.]

Page.		Page.	
	<i>Lagena Wiegmanni</i> H. & A. Adams.	Feb. 1857.	
	<i>Cassidaria setosa</i> Hinds?	469	<i>Olivella tergina</i> Ducl.
	<i>T. perforatus</i> Conrad.		<i>Oliva tergina</i> Ducl.
456	<i>Turbinella caestus</i> Br.	469	<i>anasora</i> Ducl.
	<i>Vasum caestus</i> H. & A. Ad.		<i>Oliva anasora</i> Ducl.
	<i>Turbinella ardeola</i> Val.	470	? <i>petiolita</i> (var.) aureo-cincta.
Jan. 1857.			? <i>Oliva petiolita</i> Ducl.
457	<i>Lathirus ceratus</i> Gr.	470	<i>inconspicua</i> C. B. Adams.
	<i>Murex ceratus</i> Gray.		<i>Oliva inconspicua</i> C. B. A.
	<i>Turbinella cerata</i> Gray.	471	<i>dama</i> Mawe.
457	<i>Leucosonia cingulata</i> Lam.		<i>Voluta dama</i> Mawe.
	<i>Monoceros cingulatum</i> Lam.		<i>Oliva lineolata</i> Gray.
	<i>Buccinum cingulatum</i> Wood.		<i>purpurata</i> Swains.
	<i>Turbinella cingulata</i> Kien.		<i>gracilis</i> Ducl.
458	<i>Fasciolaria princeps</i> Sowb.	471	<i>Olivella lineolata</i> H. & A.
	<i>F. aurantiaca</i> Sowb.		<i>zonalis</i> Lam. [Ad.
459	<i>Mitra lens</i> Mawe.		<i>Oliva zonalis</i> Lam.
	<i>Voluta lens</i> Wood.	472	<i>Agaronia testacea</i> Lam.
	<i>Tiara foraminata</i> Swains.		<i>Oliva testacea</i> Lam.
	<i>M. Dupontii</i> Kien.		<i>hiatula pars</i> Ducl.
461	<i>Strigatella tristis</i> Br.		<i>Agaronia hiatula</i> H. & A. A.
	<i>Mitra tristis</i> Br.	474	<i>Purpura patula</i> Linn.
	<i>amphorella</i> Carp.		<i>Buccinum patulum</i> Linn.
461	<i>Marginella minor</i> C. B. Ad.		<i>Le Pakel</i> Adams.
	<i>Gibberula minor</i> H. & A. A.		<i>P. pansa</i> Gould.
462	<i>polita</i> Carp.	475	<i>columellaris</i> Lam.
462	<i>margaritula</i> Carp.	476	<i>muricata</i> Gray.
463	<i>Oliva angulata</i> Lam.		<i>Monoceros muricatum</i> Rve.
	<i>Voluta incrassata</i> Dillw.		<i>P. cassidiformis</i> D'Orb.
	<i>Strephona incrassatus</i> H.		<i>truncata</i> Ducl.
464	<i>Melchersi</i> Mke. [& A. A.	477	<i>biseriata</i> Blainv.
	<i>O. angulata</i> Carp.		<i>P. bicostalis</i> Rve.
465	<i>intertincta</i> ? Carp.		<i>undata</i> Val.
466	? <i>venulata</i> Lam.		<i>hemastoma</i> Mke.
	<i>O. araneosa</i> C. B. Ad.		<i>consul</i> Mke.
	? <i>Julieta</i> Mke.	479	<i>triseriata</i> Blainv.
	<i>reticularis</i> (var.) Rve.		<i>P. speciosa</i> Rve.
467	<i>Duclosi</i> Rve.		<i>centiquadra</i> Val.
467	<i>Olivella undatella</i> Lam.		<i>Thalassa speciosa</i> H. & A.
	<i>Oliva undatella</i> Lam.		Adams.
	<i>Voluta tenebrosa</i> Wood.	480	<i>triangularis</i> Blainv.
			<i>P. Carolensis</i> Rve. [Ad.
			<i>Tribulus Carolensis</i> H. & A.

[Carpenter, Mazatlan Shells.]

- | Page. | | Page. | |
|--------------|---|-------|---|
| 481 | Cuma kiosquiformis Ducl.
<i>Purpura kiosquiformis</i> Duc.
<i>scalariformis</i> D'Or.
— (sp. ined.) C. | 496 | <i>Phrontis xanthostoma</i> H. &
Nassa tegula Rve. [A. Ad.
var. <i>nodulifera</i> Phil. [Ad.
<i>Phrontis nodulifera</i> H. & A. |
| 482 | costata Blainv. [B. Ad.
<i>P. costata</i> Blainv.
<i>diudema</i> Lam. | 497 | (? Pagodus var.) <i>acuta</i> .
498 — (sp. ined. a.)
498 — (sp. ined. b.)
498 — (sp. ined. c.)
498 — (sp. ined. d.)
498 — (sp. ined. e.) |
| 484 | Rhizocochellus nux Rve.
<i>Murex nux</i> Rve. | 498 | ? gemmulosa C. B. Ad.
<i>Niotha gemmulosa</i> H. & A. |
| 485 | Vitularia salebrosa King.
<i>Murex salebrosus</i> King.
<i>Fusus salebrosus</i> Forbes.
<i>Murex ritulinus</i> Gray. | 499 | ? versicolor C. B. Ad. [A.
<i>Uzita versicolor</i> H. & A. A. |
| 487 | Nitidella cribraria Lam.
<i>Buccinum cribrarium</i> Lam.
<i>Columbella cribraria</i> Sowb.
<i>Mitrella cribraria</i> H. & A. A.
<i>Voluta ocellata</i> Gmel.
<i>Le Barnet</i> Adams.
<i>B. parvulum</i> Dunk.
<i>C. mitriformis</i> Br. & King.
<i>guttata</i> Sowb. | 499 | crebristriata Carp.
500 — (sp. ined. f.)
500 — (sp. ined. g.)
500 — (sp. ined. h.)
500 — (sp. ined. i.) |
| 488 | — (sp. ined.) | 500 | Pyrula patula Br. and Sw.
<i>Cyrtulus patulus</i> Hinds.
<i>Cassidulus patulus</i> H. and
A. Adams. |
| 489 | Columbella major Sowb.
<i>C. strombiformis</i> (var.)
<i>paytalida</i> Ducl. [Kien.
? <i>gibbosa</i> Val. | 502 | Fusus pallidus Br. & Sowb.
<i>Pyrula lignaria</i> Rve.
<i>F. turbinelloides</i> Rve.
<i>lignarius</i> H. and A. Ad.
<i>Neptunea pallida</i> H. & A. A. |
| 490 | strombiformis Lam.
<i>Buccinum strombiforme</i>
? <i>C. gibbosa</i> Val. [Wood. | 503 | tumens Carp. |
| 492 | fusca Sowb.
<i>C. meleagris</i> Kien.
<i>rustica pars</i> Sowb. | 504 | apertus Carp.
504 — ? (sp. ined. a.)
504 — ? (sp. ined. b.) |
| March, 1867. | | 505 | ? Cominella — (sp. ined.) |
| 493 | cervinetta Carp. | 505 | Anachis scalarina Sowb.
<i>Columbella scalarina</i> Sowb. |
| 493 | cervinetta (var.) obso-
leta . | 506 | costellata Br. and Sowb.
<i>C. costellata</i> Br. & Sowb.
var. <i>pachyderma</i> .
— (sp. ined.) |
| 493 | ? Metula — (sp. ined. a.) | 507 | coronata Sowb.
<i>Columbella coronata</i> Sowb. |
| 494 | ? Metula — (sp. ined. b.) | 508 | ? fulva Sowb.
<i>C. fulva</i> Sowb. |
| 494 | ? Metula — (sp. ined. c.) | | |
| 494 | ? Metula — (sp. ined. d.) | | |
| 494 | Nassa luteostoma Br. & S.
<i>Buccinum luteostomum</i> Kie.
<i>Nassa xanthostoma</i> Gray. | | |

[Carpenter, Masatlan Shells.]

Page.		Page.	
509	<i>Anachis nigrofusca</i> Carp.	523	<i>Phyllonotus nitidus</i> Br.
509	<i>serrata</i> Carp.		<i>M. nitidus</i> Br.
510	<i>pygmæa</i> Sowb.	523	<i>brassica</i> Lam.
	<i>C. pygmæa</i> Sowb.		<i>M. brassica</i> Lam.
510	<i>Gaskoini</i> Carp.		<i>ducalis</i> Br.
511	<i>rufotincta</i> Carp.	524	<i>bicolor</i> Val.
512	<i>albonodosa</i> Carp.		<i>M. bicolor</i> Val.
512	— (sp. ined. a.)		<i>erythrostomus</i> Swains.
512	— (sp. ined. b.)		<i>regius</i> Sch. and Wagn.
513	<i>Strombina maculosa</i> Sowb.		<i>hippocastanum</i> Phil.
	<i>Columbella maculosa</i> Sowb.	524	<i>regius</i> Swains.
513	— ? (sp. ined.)		<i>M. regius</i> Swains.
514	<i>Pisania insignis</i> Rve. [Val.		<i>tricolor</i> Val.
	<i>Buccinum mutabile</i> (pars.)	524	<i>princeps</i> Br.
	<i>insignis</i> Rve.		<i>M. princeps</i> Br.
	<i>Tritonidia insignis</i> H. & A. A.	526	<i>Muricidea ? lappa</i> Br.
515	(? <i>Pagodus</i> [var.]) <i>sequi-</i>		<i>Murex lappa</i> Br.
	<i>lirata</i> .	526	<i>dubia</i> Swains.
515	<i>gemmata</i> Rve.		<i>Murex dubius</i> Swains.
	<i>B. gemmatum</i> Rve.		<i>aculeatus</i> Wood.
	<i>gemmulatum</i> Mke.	527	? <i>erinaceoides</i> (var.) in-
	<i>undatum</i> Kien. [A. Ad.		<i>dentata</i> .
	<i>Tritonidea gemmatus</i> H. &		<i>Murex erinaceoides</i> Val.
	<i>B. mutabile</i> (pars.) Val.	528	<i>Murex</i> — (sp. ined.)
517	<i>sanguinolenta</i> Ducl.	528	<i>Muricidea pauxillus</i> A. Ad.
	<i>Purpura sanguinolenta</i> Du.		<i>Murex pauxillus</i> A. Ad.
	<i>B. sanguinolentum</i> Mke.		(ADDITIONAL SPECIES.)
	<i>Pollia hæmastoma</i> Gr.	529	? <i>Narario scobina</i> Carp.
	<i>B. hæmastoma</i> Rve.	529	<i>Mya</i> — (sp. ined.)
	<i>Janelli</i> Val.	530	? <i>Corbula</i> — (sp. ined. b.)
	<i>Tritonium verrucosum</i> Mke.	530	<i>Sphænia</i> — (sp. ined.)
	<i>Tritonidea sanguinolentus</i>	530	? — (sp. ined.)
518	<i>ringens</i> Rve. [H. & A. Ad.	530	? <i>Lyonsia</i> — (sp. ined.)
	<i>B. ringens</i> Rve.	531	<i>Tellina</i> — (sp. ined. c.)
	<i>Tritonidea ringens</i> H. & A. A.	531	<i>Cardium rotundatum</i> Carp.
518	<i>Murex pilloatus</i> Sowb.	531	<i>Lasea</i> — (sp. ined.)
	<i>M. unidentatus</i> Mke.	531	? <i>Montacuta chalconica</i>
519	? <i>recurvirostris</i> (var.)		<i>Carp.</i>
	<i>lividus</i> .	532	<i>Arca</i> — (sp. ined. b.)
	<i>M. recurvirostris</i> Br.	532	<i>Pecten</i> — (sp. ined. a.)
	<i>messorius</i> Mke.	532	— (sp. ined. b.)
521	<i>Phyllonotus nigrinus</i> Meus.	533	<i>Smaragdinella thecaphora</i>
	<i>Murex nigrinus</i> Phil.		<i>Nutt.</i>
	<i>ambiguus</i> Rve.		

APPENDIX.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
534	<i>Corbula alba Phil.</i>	535	<i>Siphonaria Lecanium Phil.</i>
534	<i>Tellina cicercula Phil.</i>	535	<i>Trochus disculus Phil.</i>
534	<i>lenticula Phil.</i>	535	<i>Buccinum nucleolus Phil.</i>
534	<i>dichotoma Phil.</i>	535	<i>Terebra fulgurata Phil.</i>
534	<i>ervilla Phil.</i>	535	<i>Columbella pallida Phil.</i>
534	<i>Diplodonta obliqua Phil.</i>	535	<i>spadicea Phil.</i>
534	<i>Lucina cancellaris Phil.</i>	535	<i>tæniata Phil.</i>
535	<i>Patella pediculus Phil.</i>	536	<i>Dentalium hyalinum Phil.</i>

[Here follows a copy of Menke's List of Mazatlan Shells, from Zeit. F. Mal. 1847-51. Descriptions are given of the following.—W. G. B.]

Page.		Page.	
536	<i>Natica iostoma Mks.</i>	June, 1857.	
536	<i>Buccinum glivum Mks.</i>	541	<i>Planaxis acutus Mks.</i>
537	<i>Erato columbella Mks.</i>	541	<i>obsoletus Mks.</i>
537	<i>Crepidula costata Sowb.</i>	541	<i>Euomphalus radiatus Mks.</i>
537	<i>hepatica Desh.</i>	541	<i>Trochus (Calcar) Mel-</i>
538	<i>uncata Mks.</i>	<i>oheral Mks.</i>	
538	<i>Pissurella chlorotrema</i>	541	<i>versicolor Mks.</i>
538	<i>humilis Mks. [Mks.]</i>	542	<i>ligulatus Mks.</i>
538	<i>gemmata Mks.</i>	542	<i>Rissoa stricta Mks. [Mks.]</i>
538	<i>Acomsa mitella Mks.</i>	542	<i>Cerithium interruptum</i>
538	<i>Mytilus spatula Mks.</i>	543	<i>Columbella nasuta Mks.</i>
539	<i>Modiola semilævis Mks.</i>	543	<i>Terpsichore Sowb.</i>
539	<i>Cytherea semifulva Mks.</i>	544	<i>Pleurotoma Meloheral</i>
539	<i>chionæa Mks.</i>	544	<i>Oliva Meloheral Mks. [Mks.]</i>
540	<i>Bulla Adamsi Mks.</i>	545	<i>Crepidula striolata Mks.</i>
540	<i>Natica ovum Mks.</i>	546	<i>Acomsa mutabilis Mks.</i>
540	<i>Nerita funiculata Mks.</i>	546	<i>fascicularis Mks.</i>
		546	<i>mesoleuca Mks.</i>

ADDITIONS AND CORRECTIONS.

Page.	
547	To p. 2 <i>et passim</i> <i>Imperator</i> = <i>Uvanilla</i> .
547	" 7 <i>Spondylus Lamarckii</i> = <i>S. calcifer</i> .
547	" 17 <i>Petricola sinuosa</i> Conrad = <i>P. robusta</i> .
547	" 21 <i>Corbula bicarinata</i> = <i>C. alba</i> ?
547	" 25 <i>Tyleria fragilis</i> H. and A. Adams.
548	" 26 <i>Semele proxima</i> = <i>S. flavescens</i> Gould.
548	" 31 <i>Sanguinolaria purpurea</i> = <i>S. miniata</i> Gould (<i>Tellina</i> .)

Page.

548	To p. 39	<i>Tellina Burnett</i> = <i>Tellidora</i> .
548	" 43	<i>Donax culminatus</i> = <i>D. rostratus</i> C. B. Adams.
548	" 44	<i>Donax flexuosus</i> Gould (sp. distinct.)
548	" 50	<i>Lutraria ventricosa</i> = <i>Mastra exoleta</i> .
549	" 52	<i>Gnathodon trigona</i> Pet. = <i>G. mendicus</i> Gould.
549	" 58	<i>Cytherea equilatera</i> Desh. = <i>Trigona argentina</i> .
549	" 80	? <i>Venus succincta</i> Val. = <i>Anomalocardia subimbri-</i> <i>cata</i> .
549	" 90	<i>Hipponix tessellatus</i> = <i>H. serratus</i> .
550	" 135	<i>Arca trapezia</i> = <i>A. tuberculosa</i> .
550	" 149	<i>Margaritiphora Mazatlanica</i> = <i>M. fimbriata</i> Dunk.
550	" 159	<i>Ostrea palmula</i> (sp. distinct.)
550	" 169	<i>Narano</i> ——— (sp. ined.)
550	" 182	<i>Siphonaria equilatera</i> = <i>S. Lecanium</i> .
551	" 220	<i>Fissurella mus</i> = <i>Glyphis inæqualis</i> .
552	" 358	<i>Rissoa lirata</i> = <i>Barleeia lirata</i> .
552	" 388	<i>Terebra fulgurata</i> = <i>Euryta fulgurata</i> .

[Other important corrections and additions have not been noticed by me. They must be consulted by the student. Indeed, it has been impossible to quote this work as exactly as the others of my Bibliography, owing to the thoroughness of the references, comparisons, &c.—W. G. B.]

Agassiz.—Ueber die Gattungen unter den nordamerikanischen Najaden. Briefliche Mittheilung an den Herausgeber in: Archiv. f. Naturg. 18 Jahrg. 1852. 1 Bd., p. 41.

Page.	§ 1.	Page.	§ 2.
43	<i>Dysnomia</i> Ag.	47	<i>Micromya</i> Ag.
43	<i>Scalenaria</i> Raf.	47	<i>Crypogenia</i> Ag.
44	<i>Truncolla</i> Raf.	48	<i>Plagiola</i> Raf.
44	<i>Lampisilla</i> Raf.	48	<i>Orthonymus</i> Ag.
44	<i>Canthyrta</i> Swains.	48	<i>Tritogonia</i> Raf.
45	<i>Euryntia</i> Raf.	48	<i>Quadrula</i> Raf.
45	<i>Metaptera</i> Raf.	48	<i>Rotundaria</i> Raf.
46	<i>Alasmodonta</i> Say.	48	<i>Complanaria</i> Swains.
46	<i>Obovaria</i> Raf.	49	<i>Pleurobema</i> Raf.
		49	<i>Unlopais</i> Swains.
		49	<i>Margaritana</i> Sch.
		50	<i>Hemilastena</i> Raf.

[The above is a very imperfect quotation of the paper, which must be consulted by the student.—W. G. B.]

Agassiz, Siebold.—Ueber das Wassergefässsystem der Mollusken. Eine briefliche Mittheilung von L. AGASSIZ an C. TH. v. SIEBOLD. (From Zeits. für Wissenschaftliche Zoologie, 7 Band, p. 176. Leipzig, 1856.)

Sullivan.—An Alphabetical Catalogue of Shells, Fossils, Minerals, and Zoophytes, in the cabinet of JOSEPH SULLIVANT, Curator of the Philosophical and Historical Society of Ohio. Columbus, Ohio, 1838. (8vo. pp. 38.)

[The only species of Shells for which the locality is given are the following.—W. G. B.]

Page.		
9	<i>Unio alatus</i> Say.	Scioto river.
9	<i>catillus</i> Conrad.	Scioto river.
9	<i>circulus</i> Lea.	Scioto river.
9	<i>coccineus</i> Hildreth.	Scioto river.
9	<i>Cooperianus</i> Lea.	Scioto river.
9	<i>cornutus</i> Barnes.	Scioto river.
9	<i>crassus</i> Say.	Scioto river.
9	<i>cylindricus</i> Say.	Scioto river.
9	<i>dehiscens</i> Say.	Scioto river.
9	<i>dolabraformis</i> Lea.	Scioto river.
9	<i>elegans</i> Lea.	Scioto river.
9	<i>ellipsis</i> Lea.	Scioto river.
9	<i>foliatus</i> Hildreth.	Scioto river.
9	<i>gibbosus</i> Barnes.	Scioto river.
9	<i>glans</i> Lea.	Scioto river.
9	<i>Gouldianus</i> Ward.	Scioto river.
9	<i>Hildrethianus</i> Lea.	Ohio river.
9	<i>iris</i> Lea.	Scioto river.
9	<i>irroratus</i> Lea.	Scioto river.
10	<i>lachrymosus</i> Lea.	Scioto river.
10	<i>lapillus</i> Say.	Scioto river.
10	<i>lævissimus</i> Lea.	Scioto river.
10	<i>lens</i> Lea.	Scioto river.
10	<i>luteolus</i> Lam.	Scioto river.
10	<i>monodonta</i> Say.	Ohio and Scioto rivers.
10	<i>multiplicatus</i> Lea.	Scioto.
10	<i>multiradiatus</i> Lea.	Scioto.
10	<i>mytiloides</i> Raf.	Scioto.
10	<i>nasutus</i> Say.	Walhonding.
10	<i>nexus</i> Say.	Alabama.

10	<i>Unio obliquus</i> Lam.	Scioto.
10	<i>occidens</i> Lea.	Scioto.
10	<i>ochraceus</i> Say.	Eastern waters.
10	<i>ovatus</i> .	Scioto.
10	<i>parvus</i> .	Scioto.
10	<i>patulus</i> .	Scioto.
10	<i>penatus</i> Conrad.	Alabama.
10	<i>perdix</i> Lea.	Alabama.
10	<i>perplexus</i> .	Scioto river.
10	<i>pileus</i> Lea.	Ohio.
10	<i>plicatus</i> .	Scioto.
10	<i>purpurens</i> .	Scioto.
10	<i>pustulatus</i> Lea.	Scioto.
10	<i>pustulosus</i> Lea.	Scioto.
10	<i>pyramidatus</i> Lea.	Scioto.
10	<i>radiatus</i> Lea.	Scioto.
10	<i>Rangianus</i> Lea.	Scioto.
10	<i>rectus</i> Lam.	Scioto.
10	<i>retusus</i> Lam.	Scioto.
10	<i>ridibundus</i> Say.	Ohio river.
10	<i>rubiginosus</i> Lea.	Scioto.
10	<i>solida</i> Lea.	Scioto.
10	<i>tenuissimus</i> Lea.	Scioto river.
10	<i>triangularis</i> Say (?)	Scioto.
10	<i>trigonus</i> .	Scioto.
10	<i>tuberculatus</i> .	Scioto.
10	<i>undulatus</i> Barnes.	Scioto.
11	<i>verrucosus</i> .	Scioto.
11	<i>Alasmodonta calceola</i> Lea.	Scioto river.
11	<i>Anodonta incerta</i> Lea.	Scioto river.



PART I.
AMERICAN AUTHORS.

B.—WRITINGS ON FOREIGN SPECIES.

BIBLIOGRAPHY

OF

NORTH AMERICAN CONCHOLOGY.

Bingley.—Useful Knowledge ; or a Familiar and Explanatory Account of the various Productions of Nature, &c. &c., illustrated with numerous figures, &c.: by the Rev. WILLIAM BINGLEY, A. M., F. L. S., &c. In three volumes. Vol. iii, Animals. Philadelphia, 1818.

Pa.	Pl.	Fig.		
292			<i>Sepia officinalis.</i>	Europe.
			<i>Mya margaritifera.</i>	Arctic Circle.
294			<i>Mytilus margaritiferus.</i>	America and India.
296	v	79	<i>edulis.</i>	Indian Seas, &c.
297	v	77	<i>Ostrea edulis.</i>	Indian Seas, &c.
299	v	78	<i>Pecten maximus.</i>	
299	v	80	<i>Cardium edule.</i>	England, &c.
300			<i>Pinna nobilis.</i>	Mediterranean, &c.
301			<i>Helix pomatia.</i>	Europe.

Barnes.—Descriptions of five species of Chiton : by D. W. BARNES, M. A. (In Silliman's Journal, o. s., vol. vii, No. 1, p. 69, date of title, 1824.)

Pa.	Pl.	Fig.		
70			<i>Chiton Magellanicus</i> Chemn.	Coast of Peru. -
70	iii	1	<i>striatus</i> Barnes.	Coast of Peru.
70	iii	2	<i>Peruvianus</i> Lam.	Coast of Peru.
			<i>C. crinitus</i> Penn.	
71	iii	3	<i>niger</i> Barnes.	Coast of Peru.
71	iii	4	<i>echinatus</i> Barnes.	Coast of Peru.

Ware.—Account of the Hybernation of the Snail (*Cochlea pomatia*) and of some other circumstances connected with the Physiology of that animal. Translated and abridged from "Mem. Phys. sur le Colimaçon, par B. Gaspard, M. D." (Magendie, Journ. de Phys. Exp. et Path.): by J. W. (JOHN WARE?) (From the Boston Journal of Philosophy and the Arts, vol. i, pp. 570–578. Boston, 1824.)

Eaton.—The Zoological Text-Book: by AMOS EATON. Albany, 1826.

[Many foreign species are described in this work. They have already been given on pp. 415–417.—W. G. B.]

Green.—New species of *Achatina*, with Remarks on the Ti, or the *Dracena Terminalis* of the Sandwich Islands: by JACOB GREEN, A. M. (From Contributions to the Maclurian Lyceum of the Arts and Sciences, vol. i, No. 2. Philadelphia, July, 1827.)

Pa.	Pl.	Fig.	
47	iv	1–4	<i>Achatina Stewartii</i> Green.
49	iv	5	<i>Oahuensis</i> Green.

Green.—Remarks on *Achatina Stewartii*: by J. GREEN, &c. (From same as last, vol. i, No. 3, p. 66. Jan. 1829.)

Page.		
87	<i>Achatina lugubris</i> .	<i>Helix luteolata</i> Fer.
	<i>Helix lugubris</i> Ch.	<i>fulpina</i> Fer.
	<i>lorata</i> Fer.	<i>Achatina Stewartii</i> Green.

Green.—Notes of a Naturalist. Remarks upon some of the Marine Animals which inhabit the North Atlantic Ocean: by JACOB GREEN, M. D. (In Doughty's Cabinet of Natural History, vol. i, 251. Philadelphia, 1830.)

Page.		
251	<i>Cleodora lanceolata</i> Per. and Le S.	
252	<i>Velela Atlantica</i> Green = <i>V. mutica</i> ?	
252	<i>Janthina globosa</i> ?	

Rafinesque.—Two new bivalve fluviatile Shells of South America: by C. S. RAFINESQUE. (From the Atlantic Journal and Friend of Knowledge, No. 4. Philadelphia, 1832.)

Page.

154	<i>Anodonta aperta</i> Raf.	River Parana above Buenos Ayres.
154	<i>paphos</i> Raf.	River Parana above Buenos Ayres.

Rafinesque.—On three new genera of Land Shells from Buenos Ayres, in South America: by C. S. RAFINESQUE. (From same as last, No. 5, p. 165. 1833.)

Page.

165	<i>Simphalomphix</i> Raf. (n. g.)	
165	<i>bonariensis</i> Raf.	Buenos Ayres.
165	<i>Stegomphix</i> Raf. (n. g.)	
165	<i>elegans</i> (<i>Cyclostoma</i>) Raf.	Buenos Ayres.
165	<i>Diplicaria</i> Raf. (n. g.)	
165	<i>bonariensis</i> Raf.	Buenos Ayres.

Rafinesque.—On five new Fresh-Water Shells of Bengal and Assam, in Asia: by C. S. RAFINESQUE. (From same as last.)

Page.

165	<i>Planorbis albescoens</i> Raf.
165	<i>Paludina vitula</i> Raf.
165	<i>fragilis</i> Raf.

Page.

166	<i>Melania tessula</i> Raf.	
166	<i>costula</i> Raf.	Ganges.

Say.—Catalogue of Exotic Shells, &c., vide p. 274.

[I do not quote this list, as it is not strictly a work on descriptive Conchology.—W. G. B.]

Coates.—Reminiscences of a Voyage to India: by REYNELL COATES, M. D.

[Familiar notices are given of Mollusca. First published in the "Friend." Also published in Philadelphia, 1833, together with Godman's "Rambles of a Naturalist."—W. G. B.]

Hunt.—The Cabinet of Nature and Philosophy. Book the First—The Cabinet of Shells: by WILLIAM HUNT, M. D. With four plates. Boston and New York, 1833.

[This work contains descriptions of Classes, Orders, and Genera, with a figure of each genus, and a glossary. There are no descriptions of species.—W. G. B.]

Jay.—Catalogue, &c. &c.: by J. C. JAY, M. D. Vide pp. 46, 53, 64, 172, 212, 214, 215. Second edition. 1836.

[The American species are already given. The various editions must be consulted by the student for the numerous foreign species and their synonymy. Descriptions of the following are given.—W. G. B.]

Pl.	Fig.		
81	i	1 <i>Pupa ringens</i> Jay.	Brazil.
81	i	4 <i>egregia</i> Jay.	Brazil.
81	i	2 <i>Megaspira Ruschenbergiana</i> Lea.	Brazil.
82	i	3 <i>Bulimus melanostomus</i> .	Brazil?
		<i>B. Dufrenoyi</i> Wood's Supplement.	
83	ii	5 <i>Cerithium magnum</i> Jay.	
83	ii	6 <i>Ranella</i> .	
85	iii	7 <i>Ampullaria angulata</i> Jay.	Mexico.
85	iii	8 <i>ochracea</i> Jay.	Spanish Main.
85	iii	9 <i>Helix speciosa</i> Jay.	
87	iv	10 <i>Natica imperforata</i> Jay.	
87	iv	11 <i>Neritina papillosa</i> Jay.	

Jay.—The same. Third edition. (See p. 218.)

Pl.	Fig.		
111	i	1 <i>Bulimus cinctus</i> Jay.	Calcutta.
111	i	2, 3 <i>Turbo rotelliformis</i> Jay.	South Seas.
112	i	4 <i>Ampullaria Brownii</i> Jay.	Amazon.
112	i	5 <i>Storeria</i> Jay.	Amazon.
112	i	6, 7 <i>Helix planorbis</i> Jay.	Togobo Island.
113	i	12, 13 <i>Nucula Eightall</i> Couth.	N. S. Shetland.
113	i	14, 15 <i>Venerupis Peruviana</i> Jay.	Peru.
113	i	16 <i>Fissurella nigrita</i> ? Sowb.	Tiger Bay.
114	i	21 <i>Helix denticulata</i> Jay.	
115	ii	5 <i>Cerithium marmoratum</i> Quoy & Guim.	New Holland?
115	ii	6 <i>Ranella pulchra</i> Gray.	East Indies.
		<i>Biplex perca</i> Perry.	

Pa.	Pl.	Fig.		
116	iii	8	<i>Ampullaria ochracea</i> Jay.	Spanish Main.
116	iii	9	<i>Helix speciosa</i> Jay.	
117	iv	10	<i>Natica fluctuata</i> Sowb. <i>N. imperforata</i> Jay.	
117	iv	11	<i>Neritina granosa</i> Sowb. <i>N. papillosa</i> Jay.	Sandwich Isl'ds.
119	vi	1	<i>Bulimus ustulatus</i> Jay.	
119	vi	2	<i>aurora</i> Jay.	
119	vi	3	<i>Achatina bicolor</i> Jay.	
120	vi	4	<i>Bulimus virgatus</i> Jay.	
120	vi	5	<i>porraceus</i> Jay.	
120	vi	6, 7	<i>Pandora striata</i> Quoy & Guim.	New Zealand.
121	vii	1	<i>Bulimus tristis</i> Jay.	Zanzibar.
121	vii	2, 3	<i>Conus rhododendron</i> Couth.	Australasia.
122	vii	4, 5	<i>Cyclostoma Cumingii</i> Sowb.	Tumaco Island.
122	vii	6	<i>Bulimus dubiosus</i> Jay.	Brazil?
122	vii	7, 8	<i>Cyclostoma multioarinata</i> Jay.	
122	vii	9, 10	<i>maculosa</i> Jay.	
123	vii	12, 13	<i>multilineata</i> Jay.	
124	viii, ix		<i>Dolium melanostomum</i> Jay.	Friendly Isl'ds.
126	x	1, 2	<i>Voluta armata</i> Lam.	

Ruschenberger.—A Voyage Round the World, including an Embassy to Muscat and Siam, in 1835-7: by W. S. W. RUSCHENBERGER, M. D., U. S. N. Philadelphia, 1838.

Page.

21	Notes on <i>Janthina fragilis</i> , &c.
447	<i>Tridacna gigas</i> &c.

Dr. J. C. Jay.—Reports on the Shells and Minerals presented by Dr. Brickerhoff to the New York Lyceum of Natural History. (From Silliman's Journal, o. s., vol. xxxviii, No. 1, pp. 198-201. Oct.-Dec., 1839.)

[A catalogue of species is given, without descriptions or localities. The paper is quoted by Carus and Engelmann, under the authorship of Brickerhoff.—W. G. B.]

Couthouy.—Vide p. 64.

Page.

383	<i>Thracia pubescens</i> Leach, &c.	<i>Mya pubescens</i> Pult.
	<i>Mya declivis</i> Pennant, &c.	<i>Thracia pubescens</i> Blainv.
	<i>Anatina declivis</i> Brown, &c.	<i>Anatina myalis</i> Lam.

Page.		Page.	
383	Thracia convexa Couthouy.	383	Thracia phaseolina Kien.
	<i>Mya declivis</i> Pennant.		<i>Amphidesma phaseolina</i> La.
	<i>convexa</i> Wood.	383	<i>similis</i> Couth. Rio Janeiro.
	<i>Anatina convexa</i> Turt.	384	Periploma trapezoides Des.
	<i>Ligula distorta</i> Mont?		<i>P. inaequalis</i> Schum.
383	<i>corbuloides</i> Desh. &c.		<i>Anatina trapezoida</i> Lam.
383	<i>plicata</i> Desh. &c.		<i>Osteodesma trapezoidalis</i> Bl.

Rafinesque.—On the three genera of Cephalopodes—*Ocythoe*, *Todarus* and *Anisoctus*. From the Good Book and Amenities of Nature; or Annals of Historical and Natural Sciences: by C. S. RAFINESQUE, A. M., Ph.D. Philadelphia, 1840.

Notes on—

Page.		Page.	
63	Ocythoe Raf.		<i>Loligo todarus</i> Raf.
63	Todarus Raf.	65	<i>Canopus</i> Raf. = Anisoctus Raf.
63	Anisoctus Raf.	65	Anisoctus punctatus Raf.
63	Ocythoe tuberculata Raf.	65	<i>bicolor</i> Raf.
64	Todarus argo Raf.		
	Mediterranean Sea.		

[References are made to figures, but I find no plates in the copy belonging to the Philadelphia Academy.—W. G. B.]

Adams.—Catalogue of the genera and species of Recent Shells in the collection of C. B. ADAMS, A. M.

[The American species described in this Catalogue have already been given on page 325. I do not quote the foreign species, as no synonyms or descriptions are given, and rarely any particular locality.—W. G. B.]

Adams.—Notice of a fractured and repaired *Argonauta argo*: by C. B. ADAMS, Prof. &c. (From Silliman's Journal, n. s., vol. vi, p. 137. July, 1848.)

Hancock.—On the boring of Mollusca into Rocks and on the removal of Portions of their Shells: by A. HANCOCK. (Copied from Brit. Ass. Athen., No. 1086. In American Journ. Sc., n. s., vol. vii, p. 288. March, 1849.)

Adams.—Monograph of *Stoastoma*, a new genus of new operculated Land Shells: by C. B. ADAMS, A. M. Amherst, Mass. September, 1849.

Page.		Page.	
3	<i>Stoastoma Ad.</i>	10	<i>Chittyanum Ad. Jamaica.</i>
5	<i>Gouldianum Ad. Jamaica.</i>	11	<i>pisum Ad. Jamaica.</i>
6	<i>Blandianum Ad. Jamaica.</i>	12	<i>Lindsleyanum Ad. Jamaica.</i>
7	<i>Fadyenianum Ad. Jamaica.</i>	13	<i>Redfieldianum Ad. Jamaica.</i>
8	<i>Pfeifferianum Ad. Jamaica.</i>	14	<i>Jayanum Ad. Jamaica.</i>
9	<i>Cumingianum Ad. Jamaica.</i>	15	<i>Leanum Ad. Jamaica.</i>

Adams.—Monograph of *Vitrinella*, a new genus of new species of Turbinidæ: by C. B. ADAMS. Amherst, Mass. Feb. 1850.

Page.		
3	<i>Vitrinella Adams.</i>	
5	<i>hyalina Adams.</i>	Port Royal, Jamaica.
6	<i>interrupta Adams.</i>	Port Royal, Jamaica.
7	<i>megastoma Adams.</i>	Port Royal, Jamaica.
8	<i>tinota Adams.</i>	Port Royal, Jamaica.
9	<i>helicoidea Adams.</i>	Port Royal, Jamaica.

Adams.—Remarks on the Distribution of the Testaceous Mollusca of Jamaica: by Prof. C. B. ADAMS. (From American Association for the Advancement of Science, second meeting, p. 147. Boston, 1850.)

Redfield.—Catalogue of Operculated Land Shells in the collection of JOHN H. REDFIELD. New York, July 1st, 1850, and

Redfield.—Catalogue of Marginellidæ in the collection of JOHN H. REDFIELD. January 1st, 1851.

[No descriptions being given, I do not repeat these Catalogues.—W. G. B.]

Caillaud.—On the perforation of rocks by *Pholades*: by M. F. CAILLAUD. (From American Journal of Science, n. s., vol. xiii, p. 287. March, 1852. Notice of a paper in Comptes Rendus, November 24, 1851, p. 572.

Adams, Chitty, Bland.—Contributions to Conchology.
Conducted by C. B. ADAMS, Prof., &c. Vol. i. New York,
Oct. 1849—Nov. 1852.

No. 1.
Sept. 1849.
Page.

- 1 Descriptions of forty-four supposed new species and varieties of Oper-
culated Land Shells from Jamaica: by Prof. C. B. ADAMS.

	Page.
1 <i>Cyclostoma Chittyi</i> Ad.	9
1 <i>spinulosum</i> Ad.	9
2 <i>aculeosum</i> Ad.	9
2 <i>amabile</i> Ad.	10
3 <i>amandum</i> Ad.	10
3 <i>Blandianum</i> Ad.	10
3 <i>variabile</i> Ad.	11
4 <i>concentricum</i> Ad.	11
4 <i>serriferum</i> Ad.	11
4 <i>decussatulum</i> Ad.	11
4 <i>mirandum</i> Ad.	11
5 <i>moribundum</i> Ad.	12
5 <i>intermedium</i> Ad.	12
5 <i>monstrosus</i> Ad.	12
6 <i>Wilkinsonii</i> Ad.	13
6 <i>avena</i> Ad.	13
6 <i>modestum</i> Ad.	13
7 <i>solidum</i> Ad.	13
7 <i>Augustæ</i> Ad.	14
8 <i>proximum</i> Ad.	14
8 <i>Newcombianum</i> Ad.	14
8 <i>nitens</i> Ad.	14
8 <i>tenuistriatum</i> Ad.	14
	9 <i>Cyclostoma ignilabre</i> Ad.
	9 <i>pisum</i> Ad.
	9 <i>hyacinthinum</i> Ad.
	10 <i>Redfieldianum</i> Ad.
	10 <i>tectilabre</i> Ad.
	10 <i>armatum</i> Ad.
	11 <i>muticum</i> Ad.
	11 <i>fecundum</i> Ad.
	11 var. <i>distinctum</i> Ad.
	11 <i>aurora</i> Ad.
	12 <i>mordax</i> Ad.
	12 <i>quinque-fasciatum</i> Ad.
	12 <i>crenulatum</i> Ad.
	13 <i>pauperatum</i> Ad.
	13 <i>Helicina palliata</i> Ad.
	13 <i>Hollandi</i> Ad.
	13 <i>macilenta</i> Ad.
	13 <i>albolabris</i> Ad.
	14 <i>citrino-labris</i> Ad.
	14 <i>megastoma</i> Ad.
	14 <i>Josephinæ</i> (Trochatella).
	14 <i>tenuis</i> (Trochatella).

- 15 Catalogue of Operculated Land Shells which inhabit Jamaica.

15 <i>Cyclostoma pulchrum</i> Wood.	15 <i>Cyclostoma Blandianum</i>
15 <i>fimbriatum</i> Sowb.	15 <i>lincinellum</i> Lam. [Ad.]
15 <i>Chittyi</i> Ad.	15 <i>variabile</i> Ad.
15 <i>aculeosum</i> Ad.	15 <i>concentricum</i> Ad.
15 <i>spinulosum</i> Ad.	15 <i>Grayanum</i> Ad.
15 <i>amandum</i> Ad.	15 <i>serriferum</i> Ad.
15 <i>Hillmanum</i> Ad.	15 <i>pulchrum</i> Ad.
15 <i>amabile</i> Ad.	15 <i>articulatum</i> Sowb.
15 <i>scabriculum</i> Sowb.	15 <i>decussatulum</i> Ad.
15 <i>lincinum</i> Linn.	15 <i>mirandum</i> Ad.
15 <i>lima</i> Ad.	15 <i>moribundum</i> Ad.

[Contributions to Conchology.]

Page.		Page.	
15	<i>Cyclostoma intermedium</i>	16	<i>Cyclostoma asperulum</i> Sb.
15	<i>monstrosum</i> Ad. [Ad.	16	<i>Helicina palliata</i> Ad.
15	<i>Wilkinsonii</i> Ad.	16	<i>Brownii</i> Gray.
15	<i>avena</i> Ad.	16	<i>Hollandi</i> Ad.
15	<i>modestum</i> Ad.	16	<i>macilenta</i> Ad.
15	<i>ambiguum</i> Lam.	16	<i>maxima</i> Sowb.
15	<i>thysanoraphe</i> Sowb.	16	<i>albolabris</i> Ad.
15	<i>pictum</i> Humph.	16	<i>citrino-labris</i> Ad.
15	<i>solidum</i> Ad.	16	<i>solitaria</i> Ad.
15	<i>labeo</i> Lam.	16	<i>affinis</i> Ad.
15	<i>Augustæ</i> Ad.	16	<i>megastoma</i> Ad.
15	<i>fascia</i> Gray.	16	<i>Gossel</i> Pfr.
15	<i>proximum</i> Ad.	16	<i>Adamsiana</i> Pfr.
15	<i>Newcombianum</i> Ad.	16	<i>depressa</i> Gray.
15	<i>nitens</i> Ad.	16	<i>lineata</i> Ad.
15	<i>xanthostoma</i> Sowb.	16	<i>neritella</i> Lam.
15	<i>tenuistriatum</i> Ad.	16	<i>aurantia</i> Gray.
15	<i>ignilabre</i> Ad.	16	<i>Jamaicensis</i> Sowb.
15	<i>pisum</i> Ad.	16	<i>costata</i> Sowb.
15	<i>Bronnii</i> Ad.	16	<i>Trochatella Tankervillei</i>
15	<i>fuscolineatum</i> Ad.	16	<i>pulchella</i> Gray. [Gray.
15	<i>album</i> Lam.	16	<i>Grayana</i> Pfr.
15	<i>hyacinthinum</i> Ad.	16	<i>Josephinæ</i> Ad.
15	<i>Banksianum</i> Sowb.	16	<i>tenuis</i> Ad.
15	<i>Redfieldianum</i> Ad.	16	<i>Lucidella aureola</i> Gray.
15	<i>tectilabre</i> Ad.	16	<i>Stoastoma Gouldianum</i>
15	<i>pauperatum</i> Ad.	16	<i>Blandianum</i> Ad. [Ad.
15	<i>crenulosum</i> Ad.	16	<i>Padyenianum</i> Ad.
15	<i>quinquefasciatum</i> Ad.	16	<i>Pfeifferianum</i> Ad.
16	<i>Sauliæ</i> Sowb.	16	<i>Cumingianum</i> Ad.
16	<i>mordax</i> Ad.	16	<i>Chittyanum</i> Ad.
16	<i>maritimum</i> Ad.	16	<i>pisum</i> Ad.
16	<i>aurora</i> Ad.	16	<i>Lindsleyanum</i> Ad.
16	<i>fecundum</i> Ad.	16	<i>Redfieldianum</i> Ad.
16	<i>Adamsi</i> Pfr.	16	<i>Jayanum</i> Ad.
16	<i>muticum</i> Ad.	16	<i>Leanum</i> Ad.
16	<i>armatum</i> Ad.	16	<i>Truncatella costata</i> Pfr.
16	<i>Duffanum</i> Ad.	16	<i>Adamsi</i> Pfr.
16	<i>corrugatum</i> Sowb.	16	<i>succinea</i> Ad.
16	<i>Jamaicense</i> Sowb.		

[Contributions to Conchology.]

No. 2.
Oct. 1840.
Page.

17 Descriptions of supposed new species and varieties of Helicidæ from Jamaica: by Prof. C. B. Adams.

	Page.		Page.
17 <i>Geomelania</i> Pfr.	25	<i>Achatina nemorensis</i> Ad.	25
18 <i>Jamaicensis</i> Pfr.	25	<i>ligata</i> Ad.	25
18 <i>minor</i> Ad.	25	<i>anglostoma</i> Ad.	25
18 <i>expansa</i> Ad.	25	<i>Ingallsiana</i> Ad.	26
18 <i>elegans</i> Ad.	26	<i>unicolor</i> Ad.	26
19 <i>Cylindrella Beardsleyana</i>	26	<i>levis</i> Ad.	26
19 <i>Agnesiana</i> Ad. [Ad.]	26	<i>micans</i> Ad.	26
20 <i>alba</i> Ad.	26	<i>striosa</i> Ad.	26
20 <i>costulata</i> Ad.	26	<i>inusitata</i> Ad.	27
20 <i>montana</i> Ad.	27	<i>Bulimus nitidiusculus</i> Ad.	27
21 <i>Gravesii</i> Ad.	27	<i>pauperculus</i> Ad.	28
21 <i>ambigua</i> Ad.	28	<i>terebella</i> Ad.	28
21 <i>rosea</i> Pfr.	28	<i>anomalus</i> Ad.	28
21 <i>var. magna</i> Ad.	28	<i>minimus</i> Ad.	28
21 <i>var. major</i> Ad.	28	<i>monodon</i> Ad.	29
21 <i>aspera</i> Ad.	29	<i>mirabilis</i> Ad.	29
22 <i>columna</i> Ad.	29	<i>Helix patina</i> Ad.	29
22 <i>var. intermedia</i> Ad.	29	<i>fluctuata</i> Ad.	29
22 <i>C. rosea</i> Ad. = <i>C. carnea</i> Ad.	29	<i>cara</i> Ad.	30
22 <i>Cylindrella carnea</i> (var.)	30	<i>Chittyana</i> Ad.	30
<i>cerina</i> .	30	<i>pioturata</i> Ad.	30
22 <i>inornata</i> Ad.	30	<i>strangulata</i> Ad.	31
22 <i>simplex</i> Ad.	31	<i>torrefacta</i> Ad.	31
23 <i>Hydeana</i> Ad.	31	<i>epistylulum</i> Ad.	31
23 <i>C. cylindrus</i> Ad. = <i>C. rubra</i>	31	<i>pila</i> Ad.	31
23 <i>Cylindrella similis</i> Ad. [Ad.]	31	<i>lamellifera</i> Ad.	32
23 <i>tenella</i> Ad.	32	<i>graminicola</i> Ad.	32
23 <i>tenera</i> Ad.	32	<i>MacMurrayi</i> Ad.	32
24 <i>Achatina procera</i> Ad.	32	<i>munda</i> Ad.	32
25 <i>elegans</i> Ad.			

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33 Descriptions of supposed new Helicidæ from Jamaica.

33 <i>Helix tunicata</i> Ad.	35 <i>Helix brevis</i> Ad.
33 <i>sulphurea</i> Ad.	35 <i>simulans</i> Ad.
33 <i>virginea</i> Ad.	35 <i>fuscula</i> Ad.
34 <i>fuscocincta</i> Ad.	36 <i>diminuta</i> Ad.
34 <i>similis</i> Ad.	36 <i>apex</i> Ad.
34 <i>Hollandi</i> Ad.	36 <i>immunda</i> Ad.
35 <i>ambigua</i> Ad.	36 <i>perdepressa</i> Ad.
35 <i>Anthoniana</i> Ad.	36 <i>angustispira</i> Ad.

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Page.		Page.	
37	<i>Helix inconspicua</i> Ad.	38	<i>Pupa exilis</i> Ad.
37	<i>Pupa Jamaicensis</i> Ad.	38	<i>Succinea latior</i> Ad.
37	<i>lata</i> Ad.	38	<i>angustior</i> Ad.
37	<i>hexodon</i> Ad.		
39 Catalogue of species and varieties of Helicidae which inhabit Jamaica.			
39	<i>Geomelania Jamaicensis</i>	39	<i>Cylindrella rubra</i> Ad.
39	<i>minor</i> Ad. [Pfr.]	39	<i>Dunkeri</i> Pfr.
39	<i>expansa</i> Ad.	39	<i>similis</i> Ad.
39	<i>elegans</i> Ad.	39	<i>tenella</i> Ad.
39	<i>Cylindrella pygmaea</i> Ad.	39	<i>tenera</i> Ad.
39	<i>Beardsleana</i> Ad.	39	<i>Achatina ligata</i> Ad.
39	<i>gracilis</i> Wood.	39	<i>Jamaicensis</i> Pfr.
39	<i>elongata</i> Chemn.	39	<i>procera</i> Ad.
39	<i>Agnesiana</i> Ad.	39	<i>Griffithii</i> Ad.
39	<i>alba</i> Ad.	39	<i>Phillipiana</i> Pfr.
39	<i>Gossei</i> Pfr.	39	<i>elegans</i> Ad.
39	<i>seminuda</i> Ad.	39	<i>venusta</i> Pfr.
39	<i>costulata</i> Ad.	39	<i>leucozonias</i> Walch.
39	<i>subula</i> Fer.	39	<i>Dominicensis</i> Gmel.
39	<i>alabastrina</i> Pfr. [Pfr.]	39	<i>curvilabris</i> Pfr.
39	<i>Humboldtiana</i> (var. β .)	39	<i>anglostoma</i> Ad.
39	<i>variegata</i> (var. γ .) Pfr.	39	<i>Ingallsiana</i> Ad.
39	<i>montana</i> Ad.	39	<i>unicolor</i> Ad.
39	<i>Gravesii</i> Ad.	39	<i>nemorensis</i> Ad.
39	<i>rosea</i> Pfr.	39	<i>Phillipsii</i> Ad.
39	var. <i>magna</i> Ad.	39	<i>arouata</i> Pfr.
39	var. <i>major</i> Ad.	40	<i>vicina</i> Ad.
39	<i>ambigua</i> Ad.	40	<i>propinqua</i> Ad.
39	<i>cylindrus</i> Chemn.	40	<i>Gossei</i> Pfr.
39	<i>rubella</i> Ad.	40	<i>costulata</i> Ad.
39	<i>aspera</i> Ad.	40	<i>aberrans</i> Pfr.
39	<i>obesa</i> Ad.	40	<i>pellucens</i> Ad.
39	<i>brevis</i> Pfr.	40	<i>levis</i> Ad.
39	<i>columna</i> Ad.	40	<i>micans</i> Ad.
39	var. <i>intermedia</i> Ad.	40	<i>iota</i> Ad.
39	<i>nobilior</i> Ad.	40	<i>octona</i> Chemn.
39	<i>carnea</i> Ad.	40	<i>striosa</i> Ad.
39	var. <i>cerina</i> Ad.	40	<i>inuitata</i> Ad.
39	<i>sanguinea</i> Pfr.	40	<i>Bulimus minimus</i> Ad.
39	<i>Maugeri</i> Wood.	40	<i>striatellus</i> Ad.
39	<i>inornata</i> Ad.	40	<i>terebella</i> Ad.
39	<i>simplex</i> Ad.	40	<i>pauperculus</i> Ad.
39	<i>Hydeana</i> Ad.	40	<i>octonoides</i> Ad.

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17 Descriptions of supposed new species and varieties of *Helicidæ* from Jamaica: by Prof. C. B. Adams.

	Page.
17 <i>Geomelania Pfr.</i>	25
18 <i>Jamaicensis Pfr.</i>	25
18 <i>minor Ad.</i>	25
18 <i>expansa Ad.</i>	25
18 <i>elegans Ad.</i>	25
19 <i>Cylindrella Beardsleyana</i>	26
19 <i>Agnesiana Ad.</i> [Ad.]	26
20 <i>alba Ad.</i>	26
20 <i>costulata Ad.</i>	26
20 <i>montana Ad.</i>	26
21 <i>Gravesii Ad.</i>	26
21 <i>ambigua Ad.</i>	27
21 <i>rosea Pfr.</i>	27
21 <i>var. magna Ad.</i>	28
21 <i>var. major Ad.</i>	28
21 <i>aspera Ad.</i>	28
22 <i>columna Ad.</i>	28
22 <i>var. intermedia Ad.</i>	29
22 <i>C. rosea Ad. = C. carnea Ad.</i>	29
22 <i>Cylindrella carnea (var.) cerina.</i>	29
22 <i>inornata Ad.</i>	30
22 <i>simplex Ad.</i>	30
23 <i>Hydeana Ad.</i>	30
23 <i>C. cylindrus Ad. = C. rubra</i>	31
23 <i>Cylindrella similis Ad.</i> [Ad.]	31
23 <i>tenella Ad.</i>	31
23 <i>tenera Ad.</i>	32
24 <i>Achatina procera Ad.</i>	32
25 <i>elegans Ad.</i>	32
	25
	<i>Achatina nemorensis Ad.</i>
	<i>ligata Ad.</i>
	<i>anglostoma Ad.</i>
	<i>Ingallsiana Ad.</i>
	<i>unicolor Ad.</i>
	<i>levis Ad.</i>
	<i>micans Ad.</i>
	<i>striosa Ad.</i>
	<i>inuitata Ad.</i>
	27 <i>Bulimus nitidiusculus Ad.</i>
	27 <i>pauperculus Ad.</i>
	28 <i>terebella Ad.</i>
	28 <i>anomalus Ad.</i>
	28 <i>minimus Ad.</i>
	28 <i>monodon Ad.</i>
	29 <i>mirabilis Ad.</i>
	29 <i>Helix patina Ad.</i>
	29 <i>fluctuata Ad.</i>
	29 <i>cara Ad.</i>
	30 <i>Chittyana Ad.</i>
	30 <i>picturata Ad.</i>
	30 <i>strangulata Ad.</i>
	31 <i>torrefacta Ad.</i>
	31 <i>epistylulum Ad.</i>
	31 <i>pila Ad.</i>
	31 <i>lamellifera Ad.</i>
	32 <i>graminicola Ad.</i>
	32 <i>MacMurrayi Ad.</i>
	32 <i>munda Ad.</i>

No. 3.

33 Descriptions of supposed new *Helicidæ* from Jamaica.

33 <i>Helix tunicata Ad.</i>	35
33 <i>sulphurea Ad.</i>	35
33 <i>virginea Ad.</i>	35
34 <i>fuscocincta Ad.</i>	36
34 <i>similis Ad.</i>	36
34 <i>Hollandi Ad.</i>	36
35 <i>ambigua Ad.</i>	36
35 <i>Anthoniana Ad.</i>	36
	35 <i>Helix brevis Ad.</i>
	35 <i>simulans Ad.</i>
	35 <i>fuscula Ad.</i>
	36 <i>diminuta Ad.</i>
	36 <i>apex Ad.</i>
	36 <i>immunda Ad.</i>
	36 <i>perdepressa Ad.</i>
	36 <i>angustispira Ad.</i>

[Contributions to Conchology.]

Page.		Page.	
37	<i>Helix inconspicua</i> Ad.	38	<i>Pupa exilis</i> Ad.
37	<i>Pupa Jamaicensis</i> Ad.	38	<i>Succinea latior</i> Ad.
37	<i>lata</i> Ad.	38	<i>angustior</i> Ad.
37	<i>hexodon</i> Ad.		
39 Catalogue of species and varieties of Helicidae which inhabit Jamaica.			
39	<i>Geomelania Jamaicensis</i>	39	<i>Cylindrella rubra</i> Ad.
39	<i>minor</i> Ad. [Pfr.]	39	<i>Dunkeri</i> Pfr.
39	<i>expansa</i> Ad.	39	<i>similis</i> Ad.
39	<i>elegans</i> Ad.	39	<i>tenella</i> Ad.
39	<i>Cylindrella pygmaea</i> Ad.	39	<i>tenera</i> Ad.
39	<i>Beardsleana</i> Ad.	39	<i>Achatina ligata</i> Ad.
39	<i>gracilis</i> Wood.	39	<i>Jamaicensis</i> Pfr.
39	<i>elongata</i> Chemn.	39	<i>procera</i> Ad.
39	<i>Agnesiana</i> Ad.	39	<i>Griffithii</i> Ad.
39	<i>alba</i> Ad.	39	<i>Phillipiana</i> Pfr.
39	<i>Gossei</i> Pfr.	39	<i>elegans</i> Ad.
39	<i>seminuda</i> Ad.	39	<i>venusta</i> Pfr.
39	<i>costulata</i> Ad.	39	<i>leucozonias</i> Walch.
39	<i>subula</i> Fer.	39	<i>Dominicensis</i> Gmel.
39	<i>alabastrina</i> Pfr. [Pfr.]	39	<i>curvilabris</i> Pfr.
39	<i>Humboldtiana</i> (var. <i>β.</i>)	39	<i>anglostoma</i> Ad.
39	<i>variegata</i> (var. <i>γ.</i>) Pfr.	39	<i>Ingallsiana</i> Ad.
39	<i>montana</i> Ad.	39	<i>unicolor</i> Ad.
39	<i>Gravesii</i> Ad.	39	<i>nemorensis</i> Ad.
39	<i>rosea</i> Pfr.	39	<i>Phillipsii</i> Ad.
39	var. <i>magna</i> Ad.	39	<i>arcuata</i> Pfr.
39	var. <i>major</i> Ad.	40	<i>vicina</i> Ad.
39	<i>ambigua</i> Ad.	40	<i>propinqua</i> Ad.
39	<i>cylindrus</i> Chemn.	40	<i>Gossei</i> Pfr.
39	<i>rubella</i> Ad.	40	<i>costulata</i> Ad.
39	<i>aspera</i> Ad.	40	<i>aberrans</i> Pfr.
39	<i>obesa</i> Ad.	40	<i>pellucens</i> Ad.
39	<i>brevis</i> Pfr.	40	<i>levis</i> Ad.
39	<i>columna</i> Ad.	40	<i>micans</i> Ad.
39	var. <i>intermedia</i> Ad.	40	<i>iota</i> Ad.
39	<i>nobilior</i> Ad.	40	<i>octona</i> Chemn.
39	<i>carnea</i> Ad.	40	<i>striosa</i> Ad.
39	var. <i>cerina</i> Ad.	40	<i>inuitata</i> Ad.
39	<i>sanguinea</i> Pfr.	40	<i>Bulimus minimus</i> Ad.
39	<i>Maugeri</i> Wood.	40	<i>striatellus</i> Ad.
39	<i>inornata</i> Ad.	40	<i>terebella</i> Ad.
39	<i>simplex</i> Ad.	40	<i>pauperculus</i> Ad.
39	<i>Hydeana</i> Ad.	40	<i>octonoides</i> Ad.

[Contributions to Conchology.]

Page.		Page.	
40	Bulimus pallidus <i>Ad.</i>	40	Helix angustata <i>Fer.</i>
40	monodon <i>Ad.</i>	40	Cubensis (var. 3) <i>Pfr.</i>
40	nitidiusculus <i>Ad.</i>	41	tunicata <i>Ad.</i>
40	læviusculus <i>Ad.</i>	41	sulphurea <i>Ad.</i>
40	subula <i>Pfr.</i> (errata p. 48.)	41	Mac Murrayi <i>Ad.</i>
40	rufescens <i>Gray.</i>	41	munda <i>Ad.</i>
40	erubescens <i>Pfr.</i>	41	tenerrima <i>Ad.</i>
40	immaculatus <i>Ad.</i>	41	graminicola <i>Ad.</i>
40	zebra <i>Müll.</i>	41	nemoroides <i>Ad.</i>
40	anomalus <i>Ad.</i>	41	Gossei <i>Pfr.</i>
40	mirabilis <i>Ad.</i>	41	subconica <i>Ad.</i>
40	Pupa fallax (?) <i>Say.</i>	41	fuscocincta <i>Ad.</i>
40	lata <i>Ad.</i>	41	virginea <i>Ad.</i>
40	contracta (?) <i>Say.</i>	41	fuscula <i>Ad.</i>
40	tenuidens <i>Ad.</i>	41	immunda <i>Ad.</i>
40	hexodon <i>Ad.</i>	41	ptychodes <i>Pfr.</i>
40	servilis <i>Gould.</i>	41	perdepressa <i>Ad.</i>
40	Jamaicensis <i>Ad.</i>	41	depressa <i>Ad.</i>
40	exilis <i>Ad.</i>	41	sincera <i>Ad.</i>
40	striatella (?) <i>Fer.</i>	41	diminuta <i>Ad.</i>
40	Succinea angustior <i>Ad.</i>	41	apex <i>Ad.</i>
40	Sagra <i>Orb.</i>	41	inconspicua <i>Ad.</i>
40	latior <i>Ad.</i>	41	peraffinis <i>Ad.</i>
40	contorta <i>Ad.</i>	41	Boothiana <i>Pfr.</i>
40	Helix Martiniana <i>Pfr.</i>	41	turbiniiformis <i>Pfr.</i>
40	peracutissima <i>Ad.</i>	41	Anthoniana <i>Ad.</i>
40	soror <i>Fer.</i>	41	angustispira <i>Ad.</i>
40	cara <i>Ad.</i>	41	ambigua <i>Ad.</i>
40	Chittyana <i>Ad.</i>	41	brevis <i>Ad.</i>
40	patina <i>Ad.</i>	41	Hollandi <i>Ad.</i>
40	fluctuata <i>Ad.</i>	41	arboreoides <i>Ad.</i>
40	acutissima <i>Lam.</i>	41	similis <i>Ad.</i>
40	Bainbridgii <i>Pfr.</i>	41	lamellifera <i>Ad.</i>
40	Spengleriana <i>Pfr.</i>	41	pila <i>Ad.</i>
40	lucerna <i>Müll.</i>	41	Cookiana <i>Gmel.</i>
40	Okeniana <i>Pfr.</i>	41	torrefacta <i>Ad.</i>
40	tridentina <i>Fer.</i>	41	epistylium <i>Ad.</i>
40	Bronnii <i>Pfr.</i>	41	epistylium <i>Müll.</i>
40	ploturata <i>Ad.</i>	41	epistylloides <i>Fer.</i>
40	sinuata <i>Müll.</i>	41	simulans <i>Ad.</i>
40	strangulata <i>Ad.</i>	41	dioscorticola <i>Ad.</i>
40	anomala <i>Pfr.</i>	41	Proserpina nitida <i>Sowb.</i>
40	aspera <i>Fer.</i>	41	opalina <i>Ad.</i>
40	Jamaicensis <i>Chemn.</i>		

[Contributions to Conchology.]

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41 New Auriculidæ which inhabit Jamaica: by Prof. C. B. ADAMS.

41 *Melampus coronatus* Ad.

41 *Pedipes ovalis* Ad.

42 Catalogue of Auriculidæ which inhabit Jamaica.

42 *Melampus coniformis* Brug.

42 *flavus* Gmel.

Auricula monile Lam.

42 *pusillus* Gmel.

Auricula nitens Lam.

42 *Melampus coronatus* Ad.

42 *cingulatus* Pfr.

42 *Pedipes quadridens* Pfr.

42 *ovalis* Ad.

42 Descriptions of supposed new species of Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

42 *Paludina Jamaicensis* Ad.

42 *Valvata pygmæa* Ad.

43 *Planorbis Mac Nabianus*

43 *Redfieldi* Ad. [Ad.]

43 *Haldemani* Ad.

43 *Planorbis decipiens* Ad.

44 *affinis* Ad.

44 *Cyclas Veatleyi* Ad.

44 *pygmæa* Ad.

45 Catalogue of Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

45 *Melanopsis lineolata* Gray.

45 *Melania spinifera* Ad.

45 *Valvata pygmæa* Ad.

45 *Paludina rivularis* Ad.

45 *Jamaicensis* Ad.

45 *Ampularia fasciata* (?) Lam.

45 *Planorbis Mac Nabianus*

45 *Redfieldi* Ad. [Ad.]

45 *Haldemani* Ad.

45 *Planorbis dentiferus* Ad.

45 *pallidus* Ad.

45 *decipiens* Ad.

45 *affinis* Ad.

45 *Ancylus obscurus* (?) Hald.

45 *Physa Soverbyana* Orb.

45 *Limnæa umbilicata* Ad.

45 *Cyclas pygmæa* Ad.

45 *Veatleyi* Ad.

45 Remarks on the distribution of the Terrestrial and Fresh Water Mollusca which inhabit Jamaica: by Prof. C. B. ADAMS. October, 1849. Read before the American Association for the Promotion of Science, August 16, 1849 (and published also in their Proc. vol. ii, p. 147, 1856.)

No. 4.

49 Remarks on the distribution of the Terrestrial and Fresh Water Mollusca which inhabit Jamaica—continued.

50 *Cyclostoma solidum* Ad. non Menke = *C. Jayanum* Ad.

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- 51 Remarks on the weight of the Shells of certain species of Colima-
cea: by Prof. C. B. Adams.

51	<i>Cyclostoma avena</i> Ad.
51	<i>Helicina lineata</i> Ad.
51	<i>depressa</i> Gray.
51	<i>affinis</i> Ad.
51	<i>Adamsiana</i> Pfr.
51	<i>solitaria</i> Ad.
51	<i>megastoma</i> Ad. (<i>aurantia</i> Gray in errata.)
51	<i>costata</i> Sowb.
51	<i>hæmastoma</i> Moric.
51	<i>Jamaicensis</i> Sowb.
52	<i>neritella</i> Lam.
52	<i>albolabris</i> Ad.
52	<i>maxima</i> Sowb.
52	<i>Trochatella tenuis</i> Ad.
52	<i>Josephinae</i> Ad.
52	<i>pulchella</i> Gray.
52	<i>Tankervillei</i> Sowb.
52	<i>Lucidella aureola</i> Gray.
52	<i>Stoastoma Blandianum</i> Ad.
52	<i>Redfieldianum</i> Ad.
52	<i>Leanum</i> Ad.
52	<i>Jayanum</i> Ad.
52	<i>Fadyenianum</i> Ad.

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52	<i>Stoastoma Gouldianum</i> Ad.
52	<i>Cumingianum</i> Ad.
52	<i>Pfeifferianum</i> Ad.
52	<i>pisum</i> Ad.
52	<i>Truncatella fusca</i> Phil.
52	<i>Adamsi</i> Pfr.
52	<i>scalaris</i> Mich.
52	<i>costellaris</i> (?) Risso.
52	<i>succinea</i> Ad.
52	<i>Pedipes quadridens</i> Pfr.
52	<i>Geomelania minor</i> Ad.
52	<i>Cylindrella pygmaea</i> Ad.
52	<i>tenera</i> Ad.
52	<i>Beardsleana</i> Ad.
52	<i>Achatina iota</i> Ad.
52	<i>aberrans</i> Pfr.
52	<i>Bulimus minimus</i> Ad.
52	<i>Helix apex</i> Ad.
52	<i>minuscule</i> Binney.
52	<i>pulchella</i> Mill.
52	<i>Pupa Jamaicensis</i> Ad.
52	<i>millium</i> Gould.
52	<i>minutissima</i> Hartm.

Jan. 1850.

- 53 Description of a supposed new species of *Columbella*: by Prof. C. B.
ADAMS.

- 53 *Columbella ovuloides* Ad.

Bahamas.

- 54 Notes on the synonymy of certain Marine Shells: by Prof. C. B.
ADAMS.

54	<i>Pleurotoma plicata</i> Ad. = P. <i>plicosa</i> Ad.	55	<i>Columbella monilifera</i> S. =
54	<i>P. decussata</i> Mac. = P. <i>Macgillivrayi</i> Ad.	55	<i>Pleurotoma monilifera</i> (<i>Columbella</i>) Sowb.
54	<i>P. violacea</i> Hinds = P. <i>Reevii</i> Ad.	55	<i>Pleurotoma albovittata</i> Ad. = <i>P. luteo-fasciata</i> Ree.
54	<i>P. nigrescens</i> Ad. = P. ni- <i>grescens</i> Gray.	55	<i>P. trilineata</i> Ad. = P. tri- <i>fasciata</i> Gray.
54	<i>P. fuscolineata</i> Ad. = P. <i>scalpta</i> Ree.	55	<i>Mangelia albovittata</i> (<i>Pleurotoma</i>) Ad.
		55	<i>fusca</i> (<i>Pleurotoma</i>) Ad.

[Contributions to Conchology.]

Page.		Page.	
55	<i>Mangella dubia</i> (Pleurotoma) <i>Ad.</i>	55	<i>Buccinum concinnum</i> <i>Ad.</i> = Columbella.
55	<i>multilineata</i> (Pleurotoma) <i>Ad.</i> [<i>Ad.</i>	55	<i>Columbella purpurascens</i> <i>Ad.</i> = C. dormitor Sowb.
55	<i>trilineata</i> (Pleurotoma)	55	<i>Buccinum obesum</i> <i>Ad.</i> = Co- lumbella.
55	<i>candidissima</i> (Pleurotoma) <i>Ad.</i>		

Note on—

55 *Geomelania Jamaicensis* *Pfr.*

56 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

56	<i>Marginella nivea</i> <i>Ad.</i>	62	<i>Pleurotoma diminuta</i> <i>Ad.</i>
56	<i>alba</i> <i>Ad.</i>		<i>P. quadrata</i> Eys?
56	<i>abbreviata</i> <i>Ad.</i>	62	<i>decorata</i> <i>Ad.</i>
56	<i>fluctuata</i> <i>Ad.</i>	63	<i>albella</i> <i>Ad.</i>
57	<i>Mitra monilifera</i> <i>Ad.</i>	63	<i>pygmæa</i> <i>Ad.</i>
57	<i>albicostata</i> <i>Ad.</i>	63	<i>flavocincta</i> <i>Ad.</i>
57	<i>Columbella fenestrata</i> <i>Ad.</i>	64	<i>nodata</i> <i>Ad.</i>
58	<i>costulata</i> <i>Ad.</i>	64	<i>quadrilineata</i> <i>Ad.</i>
58	<i>Terebra Jamaicensis</i> <i>Ad.</i>	64	<i>fusiformis</i> <i>Ad.</i>
58	<i>Purpura aberrans</i> <i>Ad.</i>	65	<i>Mangella densestriata</i> <i>Ad.</i>
59	<i>Conus armillatus</i> <i>Ad.</i>	65	<i>muricoides</i> <i>Ad.</i>
59	<i>Triton parvus</i> <i>Ad.</i>	65	<i>biconica</i> <i>Ad.</i>
60	<i>pulchellus</i> <i>Ad.</i>	66	<i>lanceolata</i> <i>Ad.</i>
60	<i>Murex intermedius</i> <i>Ad.</i>	66	<i>crassicostrata</i> <i>Ad.</i>
60	<i>pauperculus</i> <i>Ad.</i>	66	<i>brevis</i> <i>Ad.</i>
60	<i>Fusus nitens</i> <i>Ad.</i>	66	<i>vicina</i> <i>Ad.</i>
61	<i>Pleurotoma augustæ</i> <i>Ad.</i>	67	<i>Scaloria ligata</i> <i>Ad.</i>
61	<i>Jayana</i> <i>Ad.</i>	67	<i>Phasianella affinis</i> <i>Ad.</i>
61	<i>solida</i> <i>Ad.</i>	67	<i>brevis</i> <i>Ad.</i>
62	<i>fusocincta</i> <i>Ad.</i>	67	<i>tesselata</i> <i>Ad.</i>
62	<i>maculata</i> <i>Ad.</i>	68	<i>concolor</i> <i>Ad.</i>

No. 5.
Feb. 1850.

69 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

69	<i>Phasianella concinna</i> <i>Ad.</i>	71	<i>Littopa effusa</i> <i>Ad.</i>
69	<i>Trochus pulcher</i> <i>Ad.</i>	71	<i>obesa</i> <i>Ad.</i>
70	<i>Cingula</i> (?) <i>concinna</i> <i>Ad.</i>	71	<i>Littorina Jamaicensis</i> <i>Ad.</i>
70	(?) <i>solida</i> <i>Ad.</i>	72	<i>Chemnitzia latior</i> <i>Ad.</i>
70	(?) <i>conica</i> <i>Ad.</i>	72	<i>puncta</i> <i>Ad.</i>

[Contributions to Conchology.]

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|-------|---------------------------------|-------|-------------------------------|
| Page. | | Page. | |
| 72 | <i>Chemnitzia obeliscus</i> Ad. | 74 | <i>Chemnitzia pusilla</i> Ad. |
| 73 | <i>subulata</i> Ad. | 74 | <i>flavocincta</i> Ad. |
| 73 | <i>levis</i> Ad. | 74 | <i>multicostata</i> Ad. |
| 73 | <i>substriata</i> Ad. | 75 | <i>reticulata</i> Ad. |
| 74 | <i>exilis</i> Ad. | | |
- Note on—
- 75 *Pholas corticaria* Sowb.
- 76 Descriptions of supposed new species and varieties of Terrestrial Shells which inhabit Jamaica: by Prof. C. B. ADAMS.
- | | | | |
|----|---------------------------------|----|-----------------------------------|
| 76 | <i>Helix ingens</i> Ad. | 81 | <i>Proserpina bidentata</i> Ad. |
| 77 | <i>valida</i> Ad. | 82 | <i>Cylindrella Greyana</i> Ad. |
| 77 | <i>fortis</i> Ad. | 82 | <i>lata</i> Ad. |
| 79 | <i>invalida</i> Ad. | 82 | <i>Hollandi</i> Ad. |
| 79 | <i>propenuda</i> Ad. | 83 | <i>augusta</i> Ad. |
| 80 | <i>candescens</i> Ad. | 83 | <i>Achatina Blandiana</i> Ad. |
| 80 | <i>Foremaniana</i> Ad. | 83 | <i>puella</i> Ad. |
| 80 | <i>alveus</i> Ad. | 84 | <i>perplexa</i> Ad. |
| 80 | <i>columellata</i> Ad. | 84 | <i>Geomelania</i> Ad. |
| 81 | <i>Proserpina discoides</i> Ad. | 84 | <i>Cyclostoma aculeosum</i> Ad. = |
| 81 | <i>pulchra</i> Ad. | | <i>C. Hillianum</i> Ad. |
- No. 4.
March, 1850.
- 85 Remarks on the origin of the Terrestrial Molluscs of Jamaica: by Prof. C. B. ADAMS.
- 87 Description of a new genus of *Helicoidæ* from Jamaica: by Prof. C. B. ADAMS.
- | | | | |
|----|-----------------------------|----|--------------------------------|
| 87 | <i>Spiraxis</i> Ad. (n. g.) | 88 | <i>Spiraxis costulosus</i> Ad. |
| 88 | <i>aberrans</i> Ad. | | |
- 88 Description of *Jamaicia*, a new sub-genus of *Cyclostoma*: by Prof. C. B. ADAMS.
- 88 Notes on certain species of the Land Shells of Jamaica: by Prof. C. B. ADAMS.
- | | | | |
|----|-------------------------------|----|----------------------------------|
| 88 | <i>Helicina Hollandi</i> Ad. | 89 | <i>Geomelania Beardsleana</i> |
| 89 | <i>Lucidella aureola</i> Ad. | 89 | <i>pygmaea</i> Ad. [Ad. |
| 89 | <i>granulosa</i> Ad. | 89 | <i>striosa</i> Ad. |
| 89 | <i>Cyclostoma Jayanum</i> Ad. | 89 | <i>Helicina hæmastoma</i> Moric. |
| 89 | <i>nigrilabre</i> Ad. | 89 | <i>aurantia</i> Gray. |
| 89 | <i>Chittyi</i> Ad. | 90 | <i>Cylindrella brevis</i> Ad. |
| 89 | <i>fimbriatulum</i> Sowb. | 90 | <i>Achatina pellucens</i> Ad. |
| 89 | <i>Geomelania elegans</i> Ad. | | |

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90 Description of supposed new species of Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

90	Cyclostoma virgineum <i>Ad.</i>	Page.	
90	anomalum <i>Ad.</i>	96	Geomelania media <i>Ad.</i>
91	nodulosum <i>Ad.</i>	96	vicina <i>Ad.</i>
91	retrorsum <i>Ad.</i>	96	striosa <i>Ad.</i>
92	Shepardianum <i>Ad.</i>	96	costulosa <i>Ad.</i>
92	papyraceum <i>Ad.</i>	97	conica <i>Ad.</i>
93	Griffithianum <i>Ad.</i>	97	pauperata <i>Ad.</i>
93	granosum <i>Ad.</i>	97	exilis <i>Ad.</i>
93	Helicina dubiosa <i>Ad.</i>	98	Cylindrella costulosa <i>Ad.</i>
94	var. intermedia <i>Ad.</i>	98	Helix sulphurea <i>Ad.</i>
94	Geomelania fortis <i>Ad.</i>	98	Dolium perdis <i>Ad.</i>
94	magna <i>Ad.</i>	98	Helix picturata <i>Ad.</i>
95	procera <i>Ad.</i>		<i>H. sinuata</i> Born.
95	gracilis <i>Ad.</i>		<i>sinuosa</i> Gmel.
95	typica <i>Ad.</i>	100	picturata <i>Ad.</i>
96	var. pygmaea <i>Ad.</i>	100	sinuata <i>Deless.</i>
96	affinis <i>Ad.</i>		<i>H. picturata</i> <i>Ad.</i>

No. 7.
April, 1850.

100 Descriptions of supposed new species of Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

101	Helicina ampliata <i>Ad.</i>	104	Achatina osculans <i>Ad.</i>
101	pusilla <i>Ad.</i>	105	Helix connectens <i>Ad.</i>
101	Cylindrella humilis <i>Ad.</i>	105	alligans <i>Ad.</i>
102	pusilla <i>Ad.</i>	105	amabilis <i>Ad.</i>
102	pupæformis <i>Ad.</i>	106	fuscolabris <i>Ad.</i>
102	procera <i>Ad.</i>	106	nobilis <i>Ad.</i>
102	Achatina costulosa <i>Ad.</i>	107	Redfieldiana <i>Ad.</i>
103	nitida <i>Ad.</i>	107	Blandiana <i>Ad.</i>
103	Gayana <i>Ad.</i>	107	osculans <i>Ad.</i>
103	similis <i>Ad.</i>	108	Proserpina pisum <i>Ad.</i>
104	tenera <i>Ad.</i>	108	Helix ingens <i>Ad.</i>
104	longispira <i>Ad.</i>	108	Cyclostoma Saulsæ <i>Sowb.</i>
104	gracillior <i>Ad.</i>	108	suturale <i>Sowb.</i>

109 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

109	<i>Narica (?) anomala</i> Ad.	110	<i>Odostomia solidula</i> Ad.
109	<i>Odostomia gemmulosa</i> Ad.	110	<i>Eulima gracilis</i> Ad.
109	<i>canaliculata</i> Ad.	110	<i>arcuata</i> Ad.
109	<i>ovuloides</i> Ad.	110	<i>conica</i> Ad.

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Page.		Page.	
110	<i>Eulima affinis</i> Ad.	117	<i>Cerithium modestum</i> Ad.
111	(?) <i>fulvo-cincta</i> Ad.	117	<i>melanura</i> Ad.
111	<i>Natica proxima</i> Ad.	117	<i>decoratum</i> Ad.
111	<i>Jamaicensis</i> Ad.	117	<i>dealbatum</i> Ad.
112	<i>Neritina ornata</i> Ad.	117	<i>nanum</i> Ad.
112	(?) <i>pusilla</i> Ad.	118	<i>mirabile</i> Ad.
112	<i>Rissoa subangulata</i> Ad.	118	<i>exiguum</i> Ad.
113	<i>aberrans</i> Ad.	119	<i>intermedium</i> Ad.
113	<i>scalaroides</i> Ad.	119	<i>versicolor</i> Ad.
114	<i>laevigata</i> Ad.	119	<i>megasoma</i> Ad.
114	<i>dubiosa</i> Ad.	120	<i>gemmaulosum</i> Ad.
114	<i>pulchra</i> Ad.	120	<i>exile</i> Ad.
114	<i>multicostata</i> Ad.	120	<i>fusiforme</i> Ad.
115	<i>vitrea</i> Ad.	121	<i>pulchellum</i> Ad.
115	<i>laevissima</i> Ad.	121	<i>rugulosum</i> Ad.
115	<i>eulimoides</i> Ad.	122	<i>vicinum</i> Ad.
116	<i>striosa</i> Ad.	122	<i>latum</i> Ad.
116	<i>princeps</i> Ad.	122	<i>flavum</i> Ad.
116	(?) <i>melanura</i> Ad.	122	<i>albovittatum</i> Ad.

[For pp. 125-187, see the quotations of Ann. N. Y. Lyc.—W. G. B.]

No. 10.
Nov. 1851.

189 On the Nature and Origin of the species of the Terrestrial Mollusca in the Island of Jamaica: by Prof. C. B. ADAMS. (Also, Am. Ass. Adv. Soc. Proc., vol. iv, p. 29. 1851.)

194 Notice of a Reversed Cyclostoma. (Also in Proc. Am. Ass. Adv. Soc., vol. iv, p. 32. 1851.)

194 *Cyclostoma Jayanum* Ad.

194 On the value of the Shells of Mollusca for the purpose of distinguishing species and higher groups: by Prof. C. B. ADAMS. Also in Proc. Am. Ass. Adv. Soc., vol. iv, p. 180. 1851. And Eding. N. Phil. Journ. No. 51, p. 259. 1851. And Fror. Tagsber. No. 443, (Zool. Bd. ii, p. 217. 1852.)

203 Notes on—

203 *Cyclostoma Newcomb-*
ianum Ad.203 *Swiftianum* Ad.203 *Troscheli* Pfr.204 *Tornatellina Cubensis* Pfr.204 *Helix Schroeteriana* Pfr.204 *Helix pretiosa* Ad.204 *Ancylus obliquus* Ad. = A.

Chittyi Ad.

204 *Helix incerta* Ad.204 *lima* Ad.204 *angustata* Ad.

[Contributions to Conchology.]

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205 Remarks on certain Helices which are described and figured in the Conchologia Iconica for Oct. 1851: by Prof. C. B. ADAMS.

205 *Helix patina* Ad.205 *acuta* Lam.205 *Chemnitziana* Pfr. = *H. fluctuata* Ad.205 *Helix ingens* Ad.205 *Bainbridgei* Pfr.206 *lucerna* Mull.

Page.

206 *Helix tumida* Pfr.206 *tunicata* Ad.206 *Chittyana* Ad.206 *valida* Ad.206 *anomala* Pfr.

No. 11.
Oct. 1852.

207 Hints on the geographical distribution of Animals, with special reference to the Mollusca: by Prof. C. B. ADAMS.

215 Catalogue of the Terrestrial Shells of St. Thomas, West Indies: by THOMAS BLAND, F. G. S., London.

215 *Helix depicta* Grat.216 *plicaria* Lam.216 *squamosa* Fer. [Fer.216 *Bulimus bæticatus* (Helix)216 *badius* (Helix) Fer.216 *Pupa decumana* (Helix) Fer.216 *Cylindrella gracilicollis* (Helix) Fer.216 *Maugeri* (Helix) Wood.216 *Cyclostoma Antillarum* Sb. *Megalomastoma Antillarum* Gray.216 *Newcombianum* Ad.*C. Swiftianum* Ad.*Troscheli* Ad.*Newcombianum* Ad.217 *Helicina subfusca* Mke.*Hel. rotulina* Mich.*castanea* Gould?*Hornbeckii* Phil.*subfusca* Küst.

217 ? — (sp. ined.)

217 *Cylindrella pallida* (Brachypus) Guild.

218 ? — (sp. ined.)

218 *Achatina octona* Chemn.*Bulimus octona* Lam.

219 ? — (sp. ined.)

219 ? *lota* Ad.219 *Bulimus exilis* (Helix) Gmel.*B. Guadaloupensis* Brug.220 var *β trifasciatus* Pfr.220 *virgulatus* (Cochlogena) Fer.*B. Caribbeonum* Lam.221 ? *Dysoni* Pfr.

221 ? — (sp. ined.)

221 ? *subula* (Achatina) Pfr.*B. hortensis* Ad?

221 ? — (sp. ined.)

222 ? — (sp. ined.)

222 *Pupa servilis* ? Gould.222 *Succinea Sagra* ? Orb.222 *Helix incerta* (Helicostyla) *H. lima* Rve. [Fer.223 *nemorulina* Pet.

223 ? — (sp. ined.)

223 ? — (sp. ined.)

223 ? *peraffinis* Ad.

224 ? — (sp. ined.)

[Contributions to Conchology.

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224 On the Clausiliæ of America: by THOMAS BLAND.

225	Clausilia tridens (Turbo)	Page.
	<i>Chemn.</i>	<i>Clausilia costulata</i> Lam.
	<i>Turbo labiatus</i> Dillw.	<i>labiata</i> Sowb.
	<i>C. tridens</i> Sch.	<i>Turbo costulatus</i> Wood.
	<i>Helix bicanaliculata</i>	227 Clausilia Peruana Trosch.
	(<i>Cochlodina</i>) Fer.	228 epistomium Küst.

228 Catalogue of Terrestrial Shells collected by T. BLAND in New Granada, in 1851.

228	Cyclostoma giganteum	229	Bulimus oblongus Müll.
228	Popayanum Lea. [Gray.	230	geometricus Pfr.
228	Quitense Pfr.	230	spectatus Rve.
229	Helicina concentrica Pfr.	230	? linostoma D'Orb.
229	Bulimus Dennisoni Rve.	230	? Pealianus Lea.
229	Powisianus Pet.	230	succinoides Pet.
229	Gibbonius Leu.	230	nitelinus Rve.
229	castaneus Pfr.	230	Gruneri Pfr.
229	maximus Sowb.		

No. 12.

231 Catalogue of Terrestrial Shells collected by T. BLAND in New Granada, in 1851—continued.

231	Bulimus Lamarckianus Pfr.	232	Helix Oreas (var.)
231	Adamsoni Gray.	232	? atrata Pfr.
231	Streptaxis Candearna (Helix) Pet.	232	subplanata ? (Caracolla)
231	Helix Gibboni Pfr.	232	? monile Brod. [Pet.
231	Oreas Koch.		<i>H. planorbis</i> Jay.
		233	Clausilia epistomium Küst.

233 Descriptions of new species of *Corbula* from Jamaica: by Prof. C. B. ADAMS.

234	Corbula Krebsiana Ad.	238	Corbula Chittyana Ad.
234	Blandiana Ad.	238	Knoxiana Ad.
235	Dietsiana Ad.	239	quadrata Hinds.
236	Swiftiana Ad.	240	Newtoniana Ad.
237	Kjörstiana Ad.	240	fulva Ad.
237	Barrattiana Ad.		

Notes on—

241	Journal de Conchyliologie.
242	Memorias sobre la Historia Natural de la Isla de Cuba.

[Contributions to Conchology.]

Nov. 1852.

Page.

242 Catalogue of species of *Lucina* which inhabit the West Indian Seas:
by Prof. C. B. ADAMS.

	Page.
243 <i>Lucina Americana</i> Ad.	245 <i>Lucina Janeirensis</i> Rve.
243 <i>Anatellinoides</i> Rve.	245 <i>pectinata</i> Ad.
243 <i>Antillarum</i> Rve.	246 <i>pectinella</i> Ad.
244 <i>aurantia</i> Desh.	246 <i>Pennsylvanica</i> (Venus)
244 <i>Chemnitzii</i> Phil.	246 <i>pilula</i> Ad. [Linn.
244 <i>edentula</i> (Venus) Linn.	247 <i>scabra</i> Rve.
244 <i>exasperata</i> Rve.	247 <i>soror</i> Ad.
244 <i>funiculata</i> Rve.	247 <i>tigerina</i> (Venus) Linn.
245 <i>granulosa</i> Ad.	247 <i>virgo</i> Rve.
245 <i>imbricatula</i> Ad.	
245 <i>Jamaicensis</i> (Venus) Ck.	

Lea.—A synopsis of the Family of Naiades, &c. &c., vide pp. 52, 220, 230.

[I have not repeated the numerous foreign species. For these and their synonymy the student must consult the work itself.—W. G. B.]

Conrad.—Description of the Fossils of Syria, collected in the Palestine Expedition. Recent Shells by T. A. CONRAD, p. 228. (From Official Report of the United States Expedition to explore the Dead Sea and the River Jordan: by W. F. LYNCH, U. S. N.; published at the National Observatory by authority of the Hon. W. A. Graham, Secretary of the Navy. Baltimore, 1852.)

Pa.	Pl.	Fig.		
228	xxii	128 ¹	<i>Helix lithophaga</i> Conr.	Wady en-Nar. [Jezzin.
228	xv	80	<i>ligata</i> Mull.	Between Mukhtarah &
229	xxii	129 ¹	<i>Carocolla tuberculosa</i> Conr.	Shore of Dead Sea.
229	xxii	130 ²	<i>Paludina Phialensis</i> Conr.	Lake Phiala.

¹ Fig. 133.² Fig. 132.³ Fig. 131.

Gould.—The Mollusca and Shells of the United States Exploring Expedition under Com. Wilkes: by A. A. GOULD, M. D. Boston, 1852. (Plates, 1856, according to title page, though they really appeared in 1861.)

[The following are the foreign species. For the American, vide p. 417. W. G. B.]

Pl.	Fig.		
1		<i>Anchorocophorus</i> Gould (n. g.)	
2	6-6 ^c	<i>bitentaculatus</i> Gould.	
		<i>Limax bitentaculatus</i> Quoy.	
4	3-3 ^b	<i>Limax olivaceus</i> Gould.	Paramatta, N. S. W.
5	4, 4 ^a	<i>fuliginosus</i> Gould.	Bay of Islands, N. Z.
5	5-5 ^b	<i>Vaginulus Taunaisii</i> Fer.	Rio Janeiro.
6	7-7 ^a	<i>Vitrina ruivensis</i> Gould.	Pico de Ruivo, Madeira.
7	12-12 ^a	<i>marcida</i> Gould.	Roche de Empeña, Mad.
9	8-8 ^b	<i>nitida</i> Gould.	Roche de Empeña, Mad.
10	11-11 ^b	<i>robusta</i> Gould.	New South Wales. •
10	9, 9 ^a	<i>caperata</i> Gould.	Kauai.
11	10-10 ^c	<i>tenella</i> Gould.	Kauai.
12	13	<i>furva</i> Gould.	St. Anna, Madeira.
		<i>Helix furva</i> Lowe.	
13	31-31 ^c	<i>Succinea explanata</i> Gould.	Kauai.
13	16-16 ^b	<i>putamen</i> Gould.	Upolu.
15	14-14 ^c	<i>rotundata</i> Gould.	Oahu.
16	15-15 ^b	<i>cepulla</i> Gould.	Hawaii.
17	18-18 ^b	<i>tumbalis</i> Gould.	Hawaii, &c.
18	19, 19 ^a	<i>humerosa</i> Gould.	Tahiti.
19	26-26 ^a	<i>infundibuliformis</i> Gould.	Tahiti, &c.
20	28-28 ^b	<i>procera</i> Gould.	Tahiti, &c.
21	17, 17 ^a	<i>vesicallis</i> Gould.	Hawaii.
21	27-27 ^b	<i>pudorina</i> Gould.	Tahiti, &c.
22	25-25 ^b	<i>venusta</i> Gould.	Hawaii, &c.
23	24-24 ^b	<i>modesta</i> Gould.	Tahiti, &c.
24	22-22 ^c	<i>Magellanica</i> Gould.	Tierra del Fuego.
25	23-23 ^b	<i>Manuana</i> Gould.	Manua.
26	30-30 ^b	<i>caduca</i> Mighels.	Sandwich Islands.
27	20-20 ^b	<i>canella</i> Gould.	Mani.
28	21-21 ^b	<i>crocata</i> Gould.	Upolu, &c.
29	66, 66 ^a	<i>Nanina rubricata</i> Gould (<i>Helix</i>).	Lebonka.
31	68-68 ^b	<i>lurida</i> Gould (<i>Helix</i>).	Feejee Islands.
31	69-69 ^b	<i>casca</i> Gould.	Feejee Islands.
		<i>Helix calva</i> Gould.	
32		<i>fricata</i> Gould.	New South Wales.

[Gould, Exploring Expedition.]

Pa.	Fig.		
33	67-67 ^b	<i>Nanina scorpio</i> Gould (<i>Helix</i>).	Feejee Islands.
34	65-65 ^a	<i>irradiata</i> Gould (<i>Helix</i>).	New Zealand.
35	47	<i>Helix intaminata</i> Gould.	Mangai.
38	45-45 ^a	<i>spirillus</i> Gould.	Lima.
39	34-34 ^a	<i>lyrata</i> Gould.	Orange Harbor, Tierra d.
40	46-46 ^a	<i>pauillus</i> Gould.	East Maui. [Fuego.
		<i>Helix pusillus</i> Gould.	
41	44-44 ^a	<i>zig-zag</i> Gould.	Taiaimi, New Zealand.
42	33-33 ^a	<i>saxatilis</i> Gould.	Orange Harbor, Tierra d.
43	73-73 ^a	<i>olceroula</i> Gould.	Hawaii. [Fuego.
44	72-72 ^a	<i>cryptoportica</i> Gould.	Oahu.
45	60-60 ^a	<i>pertenula</i> Gould.	Metia Island.
46	59-59 ^a	<i>oultrata</i> Gould.	Tahiti, &c.
47	61-61 ^a	<i>exæquata</i> Gould.	Kauai.
48	63-63 ^a	<i>calculosa</i> Gould.	Tahiti.
48	62-62 ^a	<i>subtilissima</i> Gould.	Maui.
49	48-48 ^a	<i>gradata</i> Gould.	Tonga Island.
50	64-64 ^b	<i>fornicata</i> Gould.	Kauai.
50	49-49 ^a	<i>rubiginosa</i> Gould.	Kauai.
51	52-52 ^a	<i>bursatella</i> Gould.	Tahiti, &c.
53	50-50 ^a	<i>obolus</i> Gould.	Tahiti.
54	51-51 ^d	<i>daedalea</i> Gould.	Tahiti, &c.
55	52*-52* ^a	<i>hystrix</i> Mighels.	East Maui.
		<i>H. setigera</i> Gould.	
56	52†-52† ^a	<i>stellula</i> Gould.	Maui.
57	56-56 ^a	<i>Cressida</i> Gould.	Society Islands, &c.
58	55-55 ^a	<i>trollus</i> Gould.	Upolu, &c.
60	57-57 ^b	<i>Eurydice</i> Gould.	Tongataboo.
61	58-58 ^b	<i>trochiformis</i> Fer.	Bimeo, &c.
62	53-53 ^b	<i>tumulus</i> Gould.	Feejee Islands.
63	54	<i>tentoriolum</i> Gould.	Upolu.
64	32, 32 ^a	<i>nitidiuscula</i> Sowb.	Madeira.
64	43-43 ^b	<i>gulosa</i> Gould.	Mawana, N. S. Wales.
64		<i>pedestris</i> .	
71	70, 70 ^a	<i>Streptaxis contusa</i> Fer.	
		<i>Helix contundata</i> Fer.	
		<i>contusa</i> Fer.	
72	82, 82 ^a	<i>Bulimus morosus</i> Gould.	Feejee Islands.
72	84, 84 ^a	<i>elobatus</i> Gould.	Feejee Islands.
73	83, 83 ^a	<i>pruninus</i> Gould.	Madeira Island.
74	79, 79 ^a	<i>prolatus</i> Gould.	Santiago, Chili.
75	80, 80 ^a	<i>ciliatus</i> Gould.	Organ Mts., Brazil.
76	87-87 ^b	<i>juncous</i> Gould.	Tahiti, &c.

[Gould, Exploring Expedition.]

Pa.	Fig.		
77	86, 86 ^a	Bulimus egregius Pfr.	Rio Janeiro.
		<i>B. hybridus</i> Gould.	
78	75	auris-leporis Brug.	Rio Janeiro.
		<i>B. lagotis</i> Mke.	
		<i>Auricula leporis</i> Mke.	
		<i>Helix auris-leporis</i> Fer.	
		<i>Pupa auris-leporis</i> .	
		<i>Stenostoma auritura</i> Spix.	
		<i>Ostomus lagotis</i> Beck.	
78	76, 76 ^a	proteus Br.	Chill.
		<i>B. sordidus</i> Lam.	
		<i>Buliminus proteus</i> Beck.	
79	81-81 ^b	Chilensis Lam.	Chill.
		<i>Achatina Chilensis</i> Less.	
		<i>Bulimus granulatus</i> Br.	
		<i>Bulimulus graniger</i> Beck.	
79	85-85 ^b	Shongli Less.	Bay of Islands, N. Z.
80	77	fulguratus Jay.	Feejee Islands.
81	78	malleatus Jay.	Feejee Islands.
81	88, 88 ^a	Partula conica Gould.	Upolu, &c.
82	89, 89 ^a	zebrina Gould.	Upolu, &c.
83	90, 90 ^a	pusilla Gould.	Moeta Island.
84	91	Tahetana Brug.	Honolulu.
		<i>P. auriculata</i> Brod.	
		<i>Bulimus auriculatus</i> Pfr.	
85	92	varia Brod.	
		<i>Bulimus varius</i> Pfr.	
85	93	Vanikorensis Quoy & Gaim. (<i>Helix</i>).	
		<i>Bulimus Vanikorensis</i> Desh.	
85	94, 94 ^a	Achatinella marmorata Gould.	Mau.
86	95	nubilosa Gould.	Mau.
87	96, 96 ^a	ellipsoidea Gould.	Mau.
87	100, 100 ^a	acuminata Gould.	Kauai.
88	97, 97 ^a	accincta Mighels.	Oahu.
		<i>A. Sandwichensis</i> .	
89	98, 98 ^a	guttula Gould.	Mau.
90	99, 99 ^a	cerealis Gould.	Waiianai, Oahu.
91	105-105 ^b	Balea peregrina Gould.	New Zealand.
91	101	Megaspira elata Gould.	Brazil.
		<i>Bulimus elatior</i> (var. γ)	
92	103-103 ^b	Vertigo tantilla Gould.	[Pfr. Tahiti.
93	104-104 ^a	Pupa peponum Gould.	Oahu, &c.
94	114-114 ^a	Helicina uberta Gould.	Oahu, &c.
		<i>H. constricta</i> Pfr.	

[Gould, Exploring Expedition.]

Pa. Fig.

95	112	<i>Hellolina Maugerise Gr.</i>	Tahiti, &c.
95	111, 111 ^a	<i>beryllina Gould.</i>	Feejee Islands.
96	113-113 ^a	<i>pallida Gould.</i>	Feejee Islands.
97	106-106 ^a	<i>fulgora Gould.</i>	Manua.
98	107-107 ^b	<i>musiva Gould.</i>	Manua, &c.
99	108-108 ^a	<i>laciniosa Mighels.</i>	Kauai, &c.
99	109-109 ^a	<i>trochlea Gould.</i>	Metia Island.
100	110-110 ^a	<i>multicolor Gould.</i>	Tahiti, &c.
101	116, 116 ^a	<i>Cyclostoma tiara Gould.</i>	Upolu.
102	117-117 ^b	<i>strigatum Gould.</i>	Upolu.
103	118-118 ^b	<i>plicatum Gould.</i>	Upolu.
104	119, 119 ^a	<i>obligatum Gould.</i>	Metia Island.
105	124-124 ^b	<i>diatretum Gould.</i>	Feejee Islands.
106	121-121 ^b	<i>roseum Gould.</i>	Feejee Islands.
106	120-120 ^b	<i>terebrale Gould.</i>	Tahiti, &c.
107	122, 122 ^a	<i>vallatum Gould.</i>	Tonga Island.
108	123-123 ^b	<i>scitulum Gould.</i>	Tahiti, &c.
109	126-126 ^b	<i>Truncatella Vitiana Gould.</i>	Feejee Islands.
110	125-125 ^b	<i>aurantia Gould.</i>	Mangai Island.
110	127-127 ^b	<i>porrecta Gould.</i>	Tahiti.
111	128-128 ^b	<i>rostrata Gould.</i>	Rio Janeiro.
114	133	<i>Planorbis kermatoides D'Or.</i>	Lima.
114		<i>ferrugineus Spix.</i>	
115	134-134 ^a	<i>Physa venustula Gould.</i>	Lima.
116	136-136 ^b	<i>tabulata Gould.</i>	Bay of Islands, N. Z.
117	137, 137 ^a	<i>gibbosa Gould.</i>	Paramatta, N. S. W.
118	139-139 ^b	<i>sinuata Gould.</i>	Feejee Islands.
118	140-140 ^b	<i>reticulata Gould.</i>	Sandwich Islands.
120	135	<i>rivalis Pot. & Mich.</i>	Lima.
122	142-142 ^b	<i>Limnea volutata Gould.</i>	Oahu.
123	145, 145 ^a	<i>Dombeya fasciata Gould.</i>	Chili.
124	143, 143 ^a	<i>obovata Gould.</i>	Chili.
124	144, 144 ^a	<i>fluminea D'Orb.</i>	Patagonia.
		<i>Chilina fluminea Gray.</i>	
		<i>Voluta fluminea Maton.</i>	
125	495-495 ^b	<i>Ancylus aduncus Gould.</i>	Madeira.
126	150-150 ^b	<i>Amnicola badia Gould.</i>	Tipoona, New Zealand.
127	151-151 ^b	<i>gracilis Gould.</i>	Tipoona, New Zealand.
128	147, 147 ^a	<i>Ampullaria columellaris Gld.</i>	Mayras, Peru.
129	149-149 ^b	<i>Amnicola corolla Gould.</i>	Banks Pen, New Zeal'd.
		<i>Melania corolla Gould.</i>	
130	152-152 ^b	<i>Cingula Peteningensis Gould.</i>	Rio de Janeiro.
130	146-146 ^b	<i>Melanopsis Zeylandica Gould.</i>	New Zealand.
132	154-154 ^a	<i>cybele Gould.</i>	Feejee Islands, &c.

[Gould, Exploring Expedition.]

Page.	Fig.		
133	153-153 ^b	<i>Melanopis tetrica</i> Gould.	Feejee Islands, &c.
133	155-155 ^b	<i>terpsichore</i> Gould.	Feejee Islands, &c.
134	156-156 ^a	<i>scipio</i> Gould.	Feejee Islands, &c.
136	159-159 ^a	<i>lutosa</i> Gould.	Upolu.
137	161-161 ^b	<i>corporosa</i> Gould.	Tahiti.
138	157-157 ^b	<i>Vainafa</i> Gould.	Upolu.
139	162, 162 ^a	<i>furforosa</i> Gould.	Manilla.
140	158-158 ^b	<i>scitula</i> Gould.	Upolu.
142	160-160 ^a	<i>perpinguis</i> Hinds.	Feejee Islands, &c.
145	170-170 ^b	<i>Cerithium sordidulum</i> Gould.	
146	169-169 ^b	<i>invaginatum</i> Gould.	Feejee Islands.
147	167-167 ^b	<i>aduncum</i> Gould.	Mindanao.
148	168, 168 ^a	<i>irroratum</i> Gould.	
148	174-174 ^d	<i>oselatum</i> Couth.	Orange Har., T. d. Fuego.
150	172-172 ^b	<i>pusillum</i> Gould.	Sandwich Islands.
151	171-171 ^b	<i>egenum</i> Gould.	Wilson's Island.
152	173-173 ^b	<i>janthinum</i> Gould.	Clermont-Tonnere.
153		<i>Pelex</i> Gould (n. g.)	
153	176-176 ^d	<i>lateralis</i> Gould.	Wangarara, N. Zealand.
155	177-177 ^b	<i>Navicella Freycineti</i> Recl.	Macassar.
156	178, 178 ^a	<i>porcellana</i> Chemn.	
		<i>N. elliptica</i> Lam.	
156	187-187 ^b	<i>Neritina cholericus</i> Chemn.	Feejee Islands.
157	191, 191 ^a	<i>porcata</i> Gould.	Samoa Island.
158	188, 188 ^a	<i>chrysocolla</i> Gould.	Upolu.
159	192, 192 ^a	<i>amena</i> Gould.	
160	190, 190 ^a	<i>siderea</i> Gould.	Upolu.
161	182, 182 ^a	<i>canalis</i> Sowb.	Society Island.
161	179	<i>granosa</i> Sowb.	Sandwich Islands.
161	181	<i>Taitensis</i> Soul.	
162	180	<i>Lamarckii</i> Desh.	
		<i>N. auriculata</i> Sowb.	
162		<i>Nuttallii</i> Recl.	
163	183	<i>gagates</i> Desh.	
163	193	<i>undata</i> Desh.	
		<i>Clithon undatus</i> Less.	
		<i>N. spinosa</i> Sowb.	
163	184, 184 ^a	<i>cornea</i> Linn.	Feejee Islands.
		<i>N. ampullaria</i> Less.	
		<i>zebra</i> Chemn.	
		<i>dubia</i> Chemn.	
164	185, 185 ^a	<i>ruginosa</i> Recl.	Samoa and Friendly Isl.
164	191	<i>cafra</i> Gray.	Tahiti.

[Gould, Exploring Expedition.]

Page.	Fig.		
165		<i>Neritina Turtoni</i> Ree.	Feejee Islands.
		<i>N. helvola</i> Gould.	
165	197, 197 ^a	<i>Nerita musiva</i> Gould.	
166	195, 195 ^a	<i>crassa</i> Gould.	
167		<i>plicata</i> Linn.	
167	194, 194 ^a	<i>albicilla</i> Linn.	
167	196, 196 ^a	<i>undata</i> Linn.	
169	198-198 ^c	<i>Turbo setosus</i> Chemn.	Clermont Tonnerre.
170	199-199 ^b	<i>argyrostomus</i> Chemn.	
170	200	<i>sparverius</i> Gmel.	
171	201, 201 ^a	<i>petholatus</i> Linn.	
171	212, 212 ^a	<i>niger</i> Gray.	Callao and Valparaiso.
171	202-202 ^b	<i>confragosus</i> Gould.	Dean's Island, Paumotu
173	203-203 ^d	<i>sirius</i> Gould.	New Holland.
174	204-204 ^a	<i>laciniatus</i> Gould.	Manilla.
175	221-221 ^c	<i>Trochus bicrenatus</i> Gould.	
175	210-210 ^c	<i>gradatus</i> Gould.	
176	220-220 ^b	<i>circumsutus</i> Gould.	Madagascar?
177	209-209 ^b	<i>jucundus</i> Gould.	New Zealand.
178	216-216 ^c	<i>ellius</i> Gould.	Singapore.
179	217-217 ^c	<i>acinosus</i> Gould.	New Zealand.
180	205-205 ^b	<i>pruninus</i> Gould.	Auckland Island.
181	206-206 ^b	<i>texturatus</i> Gould.	
182	211	<i>ater</i> Less.	Valparaiso and Callao.
182	213	<i>Araucanus</i> D'Orb.	Valparaiso, &c.
183		<i>mæstus</i> Jonas.	
183	223, 223 ^a	<i>colubrinus</i> Gould.	Funchal.
184	215-215 ^b	<i>tantillus</i> Gould.	Sandwich Islands.
186	208-208 ^b	<i>pupillus</i> Gould.	New Zealand.
187	218-218 ^c	<i>amœnus</i> Gould.	Feejee Islands.
188	219-219 ^c	<i>spureus</i> Gould.	[Gould. Madeira Island.
189	224-224 ^d	(<i>Monodonta</i>) <i>atropurpureus</i> Tutuila.	
190	225-225 ^c	<i>instrictus</i> Gld.	Pacific Ocean.
191	222-222 ^b	<i>rotellinus</i> Gld.	Mangsi.
192	227, 227 ^a	(<i>Bembicium</i>) <i>squamiferus</i> Koch.	
192	228-228 ^c	<i>Margarita Magellanica</i> Gld.	Orange Har., T. d. Fuego.
193	230-230 ^b	<i>persica</i> Gould.	Cape Horn.
194	229-229 ^c	<i>conica</i> D'Orb.	Patagonia. [30' W.
195	252, 252 ^a	<i>Litlopa decussata</i> Gould.	Lat. 37° 40' N., long. 54°
196	226-226 ^c	<i>Solarium egenum</i> Gould.	New Zealand.
198	240-240 ^b	<i>Littorina caliginosa</i> Gould.	Tierra del Fuego.
200	239-239 ^b	<i>acuminata</i> Gould.	Mangsi Island.
202	235, 235 ^a	<i>obesa</i> Sowb.	Clermont Tonnerre, &c.
202	234, 234 ^a	<i>pyramidalis</i> Quoy & Gaim.	

[Gould, Exploring Expedition.]

Page.	Fig.		
203	233, 233 ^a	Littorina grandinosa Desh. <i>Trochus grandinosa</i> Chemn. <i>bullatus</i> Martyn. <i>Monodonta papillosa</i> Lam.	
203		<i>Peruviana</i> Gray. <i>Turbo zebra</i> Wood. [Lam. <i>Phasianella Peruviana</i>	Valparaiso, &c.
203	251-251 ^b	<i>Planaxis lineolatus</i> Gould.	Wilson's Island.
204	242-242 ^b	<i>Melampus mucronatus</i> Gould.	Raraka Island.
205	245-245 ^b	<i>Scalaria gracilentia</i> Gould.	Mangsi Island.
206	244-244 ^b	<i>texturata</i> Gould.	
206		<i>australis</i> Lam.	
207	246-247	<i>Stylifer acicula</i> Gould.	Feejee Islands.
208	248, 248 ^a	<i>Haliotis crispata</i> Gould.	New Holland.
209	249-249 ^b	<i>Stomatella tumida</i> Gould.	Singapore, &c.
210	250-250 ^b	<i>decolorata</i> Gould.	Mangsi Island.
213	255, 255 ^a	<i>Natica dilecta</i> Gould.	Rio Negro, Patagonia.
215	257, 257 ^a	<i>soluta</i> Gould.	South America.
215		<i>Ampullacea Busbyi</i> Gould. <i>Helix busbyi</i> Gray	New Zealand.
216	259-259 ^a	<i>Sigaretus antarcticus</i> Couch.	Orange Harbor.
217	260-260 ^b	<i>prætenuis</i> Gould.	Orange Harbor.
217	261-261 ^a	<i>Rissoa ambigua</i> Gould. <i>Pyramidella ambigua</i> Gld.	Clermont Tonnerre.
218	263-263 ^b	<i>Tornatella bullata</i> Gould.	Patagonia.
220	267, 267 ^a	<i>Bulla parallela</i> Gould.	
220	264	<i>bifasciata</i> Mart. & Ch. <i>B. ampulla</i> (var. Linn.	Feejee Islands.
221	266, 266 ^a	<i>rubiginosa</i> Gould.	Rio de Janeiro.
222	265-265 ^d	<i>diaphana</i> Gould.	Rio de Janeiro.
223	268	<i>Aplysia pulmonica</i> Gould.	Tutuila.
223	269, 269 ^a	<i>Bursatella lacinulata</i> Gould.	Rio de Janeiro.
224		<i>Stylocheilus</i> Gould. (n. g.)	
225	270-270 ^b	<i>lineolatus</i> Gould.	Honolulu.
226	271	<i>quercinus</i> Gould.	Feejee Islands.
226	272	<i>Janthina exigua</i> Lam.	Lat. 18° 20' S., long. 132°
227	273	<i>fragilis</i> .	[W.
227	276	<i>Pyrula deformis</i> Lam. [Kein. Tutuilla. <i>Purpura abbreviata</i> (var.)	
227	277-277 ^b	Fusus Goversianus Pallas. <i>Buccinum fimbriatum</i> Mart. <i>Murex Magellanicus</i> Gmel.	
228	278	<i>lacinatus</i> Martyn.	Orange Harbor.
229	279-279 ^a	<i>crispus</i> Gould.	Orange Harbor.

[Gould, Exploring Expedition.]

Page.	Fig.		
230	280	<i>Fusus decolor</i> Phil.	Orange Harbor.
230	281, 281 ^a	<i>plumbeus</i> Phil.	
231	282-282 ^b	<i>liratus</i> Coult.	Orange Harbor.
232	283, 283 ^a	<i>incisus</i> Gould.	New Zealand?
235	286, 286 ^a	<i>sublatus</i> Gld. [sus Gld.	
236	287, 287 ^a	<i>Murex</i> (Trophon) <i>fructico-</i>	
237	288, 288 ^a	<i>Monoceros imbricatum</i> Lam.	Orange Harbor.
		<i>Buccinum calcar</i> Martyn.	
		<i>Monoceros breve</i> Sowb.	
237	290, 290 ^a	<i>Turbinella cornigera</i> Lam.	
238	289	<i>amplustre</i> Kien.	Honden Island.
		<i>Buccinum amplustre</i> Mart.	
		<i>Murex amplustre</i> Chemn.	
238	291	<i>armata</i> Brod.	Honden Island.
239	292	<i>Triton variegatum</i> Lam.	Tutuilla, &c.
		<i>Murex tritonis</i> Linn.	
239	295	<i>tuberosum</i> Lam.	Lebuka.
240		<i>productum</i> Gould.	Pacific.
		<i>T. tuberosum</i> Rumph. &c.	
240	293	<i>anus</i> Lam.	Lebuka.
240	294, 294 ^a	<i>distortum</i> Sch. & Wagn.	Paumotu Island.
241	298-298 ^c	<i>cancellatum</i> Lam.	
		<i>Murex Magellanicus</i> Chemn.	
242	299	<i>Ranella bufonia</i> Gmel.	Gardner's Isl., Paumotu
242	300, 300 ^a	<i>gyrinus</i> Linn.	Tutuilla. [Isl.
		<i>Murex gyrinus</i> Linn.	
		<i>R. ranina</i> Lam.	
242	301-301 ^b	<i>vexillum</i> Sowb.	Orange Har., T. d. Fuego.
243	302, 302 ^a	<i>ventricosa</i> Brod.	
244	309, 309 ^a	<i>Purpura tæniata</i> Powis.	Honden Island.
245		<i>armigera</i> Lam.	Paumotu Group.
245		<i>scobina</i> Quoy & Gaim.	New Zealand.
246		<i>succinata</i> Lam.	
		<i>Buccinum orbita</i> Chemn.	
		<i>P. orbita</i> Sowb.	
246	304, 304 ^a	<i>elongata</i> Blainv.	Metia Island.
		<i>P. fenestrata</i> Quoy & Guim.	
246	306	<i>violacea</i> Kien.	Feejee Islands.
		<i>Purula neritoidea</i> Lam.	
		<i>Purpura neritoidea</i> Qu. & G.	
247	305	<i>Riccinula tuberculata</i> Blainv.	Paumotu Group.
247		<i>horrida</i> Lam.	Paumotu Group.
247	307	<i>arachnoides</i> Lam.	Paumotu Group.
248	308	<i>olathrata</i> Lam.	Paumotu Group.

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Page.	Fig.		
248	312, 312 ^a	<i>Pleurotoma seminifera</i> Gld.	
249	311, 311 ^a	<i>tigrina</i> Lam.	Upolu.
250	313-313 ^a	<i>Mangella cithara</i> Gould.	Feejee Islands.
250	314-314 ^b	<i>Terebra crenulata</i> Linn.	
251		<i>dimidiata</i> Linn.	
251	315	<i>Babylonia</i> Lam.	
251	316	<i>lævigata</i> Gray.	
251	317	<i>subulata</i> Linn.	
251	318	<i>cærulescens</i> Lam.	
252	319, 319 ^a	<i>Buccinum velatum</i> Gould.	Mindanao.
253	320, 320 ^a	<i>funereum</i> Gould.	New Zealand.
255	313, 313 ^a	<i>farinosum</i> Gould.	Kauai.
256	324, 324 ^a	<i>Nassa musiva</i> Gould.	Cape de Verd Island.
257	325-325 ^b	<i>lurida</i> Gould.	Tutuilla.
258	326-326 ^c	<i>curta</i> Gould.	Samoa Island.
259	327-327 ^b	<i>cinctella</i> Gould.	Pacific Islands.
260	328-328 ^b	<i>casta</i> Gould.	Pacific Islands.
261	329-329 ^b	<i>acinoso</i> Gould.	
262	330-330 ^b	<i>paupera</i> Gould.	Pacific Islands.
265	336, 336 ^a	<i>lilacina</i> Gould.	Clermont Tonnerre.
266	333, 333 ^a	<i>muricata</i> Quoy.	
266	334	<i>granifera</i> Kien.	
268	338, 338 ^a	<i>Columbella valga</i> Gould.	Brazil?
269	339-339 ^b	<i>castanea</i> Gould.	Rio Janeiro.
270	341, 341 ^a	<i>mendicaria</i> Linn.	
270	342	<i>ligula</i> Ducl.	
270	352	<i>Mitra vitellina</i> Gould.	East Indies?
271	355, 355 ^a	<i>cophina</i> Gould.	Singapore.
272	354, 354 ^a	<i>rorata</i> Gould.	
273	351-351 ^b	<i>capillata</i> Gould.	Madeira.
274	356-356 ^b	<i>encausta</i> Gould.	Feejee Islands.
275	353-353 ^b	<i>fidicula</i> Gould.	
276	344 bis.	<i>ambigua</i> Swains.	
276	344, 344 ^a	<i>adusta</i> Lam.	Vincennes Island.
276	345	<i>acuminata</i> Swains.	Raraka.
		<i>M. lutea</i> Quoy.	
277	346, 346 ^a	<i>virgata</i> Ree.	Clermont Tonnerre.
		<i>M. retusa</i> (var. Gray.)	
277	347	<i>maculosa</i> Ree.	
277	348	<i>nodosa</i> Swains.	Clermont Tonnerre.
		<i>M. fraga</i> Quoy & Gaim.	
		<i>tuberculata</i> Kien.	
278	349	<i>elegans</i> Ree.	Feejee Islands.

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Page.	Fig.		
278	350	Mitra exasperata Chemn. <i>M. torulosa</i> Lam.	Feejee Islands.
278	342	<i>filosa</i> Born.	Feejee Islands.
278	357	Voluta Magellanica Gmel. <i>V. ancilla</i> Lam.	Orange Harbor.
279		<i>ancilla</i> Sol. <i>V. Magellanica</i> Lam. <i>gracilis</i> Wood's Sup.	Cape Horn.
280	359	Melo Broderipii Gray. <i>M. regius</i> Brod.	China Seas.
281	380	Oliva carneola Gmel.	Feejees.
281	370	Cypræa testudinaria Linn.	Upolu, &c.
281		<i>tigris</i> Linn.	Feejees, &c.
282	371, 371 ^a	<i>reticulata</i> Martyn. <i>C. maculata</i> Barnes. <i>histris</i> Kien.	Paumotu Group.
282	372, 372 ^a	<i>sinbriata</i> Gmel.	Paumotu Group.
283	374, 374 ^a	<i>anellus</i> Linn.	Tutuilla.
283	373, 373 ^a	<i>caurica</i> Linn.	Tutuilla.
283		<i>felina</i> Gmel.	Tutuilla.
284		<i>errones</i> Linn. <i>C. olivacea</i> Lam.	Lebuka.
284	376	Humphreysii Gray. <i>C. lutea</i> Desh.	Sandalwood Bay.
284	375, 375 ^a	<i>poraria</i> Linn.	Benga Island.
284		<i>carneola</i> Linn.	Lebuka.
285	369	<i>lynx</i> Linn.	Feejee Islands.
285	378	<i>eburna</i> Barnes.	Feejee Islands, &c.
285	377	<i>arenosa</i> Gray.	Tahiti.
286	379	<i>obvelata</i> Lam.	Tutuilla.
286	367, 367 ^a	Conus dilectus Gould.	Feejee Islands.
287	361	<i>vexillum</i> Mart.	Tutuilla.
287	364, 364 ^a	<i>miles</i> Mart.	Honden Island.
288		Hebraeus Linn.	Clermont Tonnerre.
288	365	<i>nanus</i> Brod.	Tutuilla.
289	363	<i>sponsalis</i> Brug.	Clermont Tonnerre.
289	362, 362 ^a	<i>miliaris</i> Brug.	Clermont Tonnerre.
290	366	<i>minimus</i> Linn.	Pacific Island.
290	382, 382 ^a	Peronia indolens Couth.	Rio de Janeiro.
291	383-283 ^b	<i>irrorata</i> Gould.	Bay of Islands, N. Z.
291	384, 384 ^a	<i>acinosia</i> Gould.	Feejee Islands.
292	386-386 ^a	<i>marginata</i> Couth.	Orange Harbor.
293	385, 385 ^a	<i>corpulenta</i> Gould.	Direction Isl., Feejees.
293	387-387 ^a	Doris vermicelli Gould.	Valparaiso.

[Gould, Exploring Expedition.]

Page.	Fig.		
294	388-388 ^a	<i>Doris plumulata</i> Gould.	Orange Harbor.
295	389-389 ^a	<i>luteola</i> Gould.	Orange Harbor.
296	390-390 ^a	<i>amaragdina</i> Gould.	Paumotu Group.
295	391, 391 ^a	<i>petechialis</i> Gould.	Oahu.
297	392-392 ^b	<i>lilacina</i> Gould.	Oahu.
298	393-393 ^a	<i>cerebralis</i> Gould.	Feejee Islands.
299	394, 394 ^a	<i>aurita</i> Gould.	Feejee Islands.
300	395-395 ^b	<i>spiraculata</i> Gould.	Feejee Islands.
301	396-396 ^a	<i>superba</i> Gould.	Tutuilla.
302	397-397 ^b	<i>cardinalis</i> Gould.	Honolulu.
303	398, 398 ^a	<i>sumptuosa</i> Gould.	Tonga Island.
304	399-399 ^a	<i>aspera</i> Gould.	Paumotu.
304	400-400 ^a	<i>dorsalis</i> Gould.	Kimeo.
305	401-401 ^a	<i>Eolis attenuatus</i> Gould.	Chili.
306	402-402 ^a	<i>cyanea</i> Gould. [Gould.	Chili.
307	407-407 ^a	<i>Placobranchus lanthobaptus</i>	Honolulu.
307	406, 406 ^a	<i>Diphyllidia rubida</i> Gould.	Honolulu.
308	405, 405 ^a	<i>Elysia lobata</i> Gould.	Honolulu.
308	403-403 ^a	<i>Tritonia cucullata</i> Gould.	Rio Janeiro.
311	408, 408 ^a	<i>Umbrella Indica</i> .	Sandwich Islands.
312	437, 437 ^a	<i>Chiton quercinus</i> Gould.	New South Wales.
315	432, 432 ^a	<i>incanus</i> Gould.	New South Wales.
316	419-419 ^b	<i>pruinus</i> Gould.	Rio Janeiro.
317	430	<i>jugosus</i> Gould.	New South Wales.
318	413-413 ^a	<i>viridulus</i> Gould.	Orange Harbor.
319	428, 428 ^a	<i>fruticosus</i> Gould.	New South Wales.
320	431, 431 ^a	<i>platessa</i> Gould.	New South Wales.
321	433-433 ^b	<i>dentiens</i> Gould.	
322	423-423 ^b	<i>interstinctus</i> Gould.	
323	426, 426 ^a	<i>vespertinus</i> Gould.	
324	412-412 ^a	<i>punicus</i> Couth.	Tierra del Fuego.
325	414, 414 ^a	<i>jaspidus</i> Gould.	Callao.
326	418-418 ^b	<i>asperrimus</i> Couth.	Rio Janeiro.
326	411-411 ^a	<i>castaneus</i> Couth.	Orange Harbor.
327	434-434 ^b	<i>confusus</i> Gould.	Feejee Islands.
328	435-435 ^b	<i>petaloides</i> Gould.	Sandwich Islands.
329	417	<i>disjunctus</i> Fremb.	Villamar, Chili.
329	415	<i>atratus</i> Soub.	Orange Harbor.
330		<i>lignosus</i> Gould.	
		<i>C. Merckii</i> Midd.	
331	420-420 ^a	<i>violaceus</i> Quoy & Gaim.	New Zealand.
332	422	<i>Peruvianus</i> Lam.	
332	416	<i>lineolatus</i> Fremb.	Valparaiso.
332		<i>australis</i> Soub.	

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Page.	Fig.		
333	410	<i>Chiton Zelandicus</i> Quoy & Gaim.	
333	429, 429 ^a	<i>Chitonellus fasciatus</i> Quoy &	
333	421	<i>Chiton Janelrensis</i> Subb. [Ga. Rio Janeiro.	
333	427	<i>Coquimbensis</i> Fremb.	
334	452-452 ^b	<i>Patella talcosa</i> Gould.	Hawaii.
335	448, 448 ^a	<i>citrullus</i> Gould.	Funchal, Madeira.
336	448-448 ^b	<i>luctuosa</i> Gould.	New Zealand.
337	449-449 ^c	<i>sagittata</i> Gould.	Feejee Islands.
338	439-439 ^b	<i>piperrata</i> Gould.	Cape de Verd Isl., Mad.
339	440-440 ^c	<i>Paumotensis</i> Gould.	Paumotu Island.
340	441-441 ^b	<i>illuminata</i> Gould.	Auckland Island.
341	442, 442 ^a	<i>cymbularia</i> Lam.	Lat. 47° 80' S., long. 60°
		<i>P. mytilina</i> Sch. & Wagn.	[W. (floating.)
		<i>cymbuloides</i> D'Orb.	
341	444, 444 ^a	<i>deaurata</i> Gmel.	Orange Harbor.
		<i>P. Magellanica</i> Gmel.	
		<i>fusca</i> Dill.	
343	443, 443 ^a	<i>ferruginea</i> Wood.	Orange Harbor.
343		<i>tramoserica</i> Chemn.	New Zealand.
345	447-447 ^b	<i>cinnamomea</i> Gould.	New South Wales.
345	451	<i>argentata</i> Gray.	Valparaiso.
347	450-450 ^b	(<i>Lottia</i>) <i>araneosa</i> Gould.	Sooloo Sea.
350	453-453 ^c	<i>Lottia cymbiola</i> Gould.	Valparaiso.
352	460, 460 ^a	<i>zebrina</i> Less.	Vigna del Mar, Valpa-
		<i>L. variabilis</i> Gray.	[raiso.
353	459, 459 ^a	<i>viridula</i> Lam. (<i>Patella</i> .)	Valparaiso.
355	461-461 ^b	<i>onychina</i> Gould.	Rio Janeiro?
356		<i>scutum</i> Esch.	Valparaiso.
		<i>Acmæa persona</i> Esch.	
		<i>radiata</i> Esch.	
		<i>ancylus</i> Esch.	
356		? <i>scurra</i> Less.	Valparaiso.
357	467-467 ^b	<i>Siphonaria cornuta</i> Gould.	Sooloo Sea.
358	465-465 ^b	<i>incolta</i> Gould.	New Zealand.
359	468-468 ^b	<i>normalis</i> Gould.	Sandwich Islands.
360	466-466 ^c	<i>lepida</i> Gould.	Rio Janeiro.
361	463-463 ^b	<i>Lessoni</i> Blainv.	Cape Horn.
362	464-464 ^b	<i>antarctica</i> Couth.	
363	462-462 ^b	<i>lateralis</i> Couth.	Orange Harbor.
364	473-473 ^d	<i>Fissurella occidentens</i> Gould.	Callao.
365	474-474 ^c	<i>cruciata</i> Gould.	Sooloo Sea.
366	472-472 ^c	<i>verna</i> Gould.	Cape de Verd Islands.
367	469, 469 ^a	<i>piota</i> Lam.	Orange Harbor.
370	477-477 ^c	<i>Rimula conica</i> D'Orb.	Cape Horn.

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Page.	Fig.		
371	478-478 ^c	<i>Fissurella cognata</i> Gould.	Orange Harbor.
372	493-493 ^c	<i>Emarginula aspera</i> Gould.	Sydney, N. S. Wales.
373	492-492 ^c	<i>ossea</i> Gould.	Feejee Islands.
373	494-494 ^a	<i>cinerea</i> Gould.	Feejee Islands.
374	491-491 ^c	<i>fungina</i> Gould.	Samoa Island.
377	479	<i>costata</i> Desh. [rum Sowb.	
378	483-483 ^c	<i>Leptoconchus madrepora-</i>	Samoa Island.
		<i>Purpura monodonta</i> Q. & G.	
		<i>madreporarum</i> Sb.	
379	490-490 ^c	<i>Hipponix imbricata</i> Gould.	Sandwich Islands.
380	487-487 ^a	<i>Calyptræa chlorina</i> Gould.	Cape de Verd Islands.
381	488-488 ^c	<i>radiosa</i> Gould.	Sooloo Sea.
382	489-489 ^b	<i>Pileopsis crystallina</i> Gould.	
383	486-486 ^a	<i>Capulus sagittifer</i> Gould.	
384	497-497 ^b	<i>Pholas patula</i> Gould.	Eastern Seas.
		<i>P. latissima</i> Sowb.?	
386	499	<i>Panopæa antarctica</i> Gould.	Rio Negro, Patagonia.
388	502-502 ^b	<i>Solen scalprum</i> Gould.	Singapore.
389	535-535 ^b	<i>Cypricardia rosea</i> Gould.	Feejee Islands.
390	504-504 ^b	<i>Maetra cuneola</i> Gould.	Callao.
391	503-503 ^b	<i>deluta</i> Gould.	New Zealand.
392	505-505 ^b	<i>marcida</i> Gould.	Orange Harbor.
394	496, 496 ^a	<i>debilis</i> Gould.	Singapore.
395		<i>triangularis</i> Lam.	Feejee Islands.
396	500-500 ^b	<i>Pandora cistula</i> Gould.	Patagonia.
398	510-510 ^b	<i>Osteodesma Brasiliense</i> Gld.	Rio Janeiro.
399	512, 512 ^a	<i>Amphidesma croceum</i> Gould.	Callao?
400	511-511 ^b	<i>Mesodesma mundum</i> Gould.	Sooloo Sea.
401	587-587 ^c	<i>Erycina</i> (Poronia) <i>ovata</i> Gld.	Sandwich Islands.
402	586-586 ^b	(<i>Kellia</i>) <i>quadrata</i> Gould.	Feejee Islands?
403	513-513 ^b	<i>Psammobia florida</i> Gould.	Illawarra, N. S. Wales.
404	519-519 ^b	<i>Tellina concentrica</i> Gould.	Feejee Islands.
405	518-518 ^b	<i>tithonia</i> Gould.	Sooloo Sea.
406	515-515 ^b	<i>compta</i> Gould.	Loo Choo Islands.
		<i>T. decora</i> Gould.	
407	517-517 ^b	<i>exculta</i> Gould.	Feejee Islands.
408	514-514 ^b	<i>lauta</i> Gould.	
409	516-516 ^c	<i>perula</i> Gould.	Feejee Islands.
410	520-520 ^b	<i>Donax pallidus</i> Gould.	Singapore.
411	521, 521 ^a	<i>tinctus</i> Gould.	Mergin Archipelago?
412	522-522 ^b	<i>croceatus</i> Gould.	Mangsi Island, Sooloo
412	524-524 ^b	<i>Lucina inculta</i> Gould.	[Sea.
413	528-528 ^b	<i>lenticula</i> Gould.	Rio Janeiro.
414	525-525 ^b	<i>vesicula</i> Gould.	Tonga Island.

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Page.	Fig.		
416	523-523 ^b	Lucina ramulosa Gould. <i>L. fibula</i> Evc.	Paumotu Island.
416	533	Cardita procera Gould.	Rio Negro, Patagonia.
419	537, 537 ^a	Venus toreuma Gould.	Mangsi Island, Sooloo Sea.
422	536, 536 ^a	Arthemis lambata Gould.	Bay of Islands, N. Z.
423		Venus calcarea Gould.	New Zealand.
423	560-560 ^b	Arca sobria Gould.	
424	539-539 ^a	Nucula sulculata Gould.	Cape Horn.
425	526-526 ^b	Cycolas egregia Gould.	New South Wales.
427	529-529 ^b	Cyrena debilis Gould.	New Holland.
428	542-542 ^c	Unio lutulentus Gould.	New Zealand.
429	543-543 ^b	profugus Gould.	New South Wales.
430	540-540 ^b	dorsuosus Gould.	Eastern Asia.
431	541-541 ^c	verecundus Gould.	Manilla.
434	548-548 ^b	Anodonta puberula Gould. <i>Anodon glauca</i> Gould.	Peru.
437	555	Avicula margaritifera (Linn.) Roissy. <i>Meleagrina margaritifera</i> Lam.	
438	554	nigra Gould.	Singapore.
439	553, 553 ^a	vidua Gould.	Feejee Islands.
440	550, 550 ^a	lurida Gould.	Feejee Islands.
441	551, 551 ^a	fucata Gould.	New Zealand.
442	552-552 ^b	glabra Gould.	New Zealand.
443	549-549 ^b	pica Gould.	Samoa Island.
444	559, 559 ^a	Perna argillacea Gould.	
445	558, 558 ^a	torva Gould.	Sandwich Islands.
445	550, 556 ^a	nana Gould.	Feejee Islands.
446	557-557 ^c	eremita Gould.	Paumotu Island.
447	584-584 ^b	Crenatula pergaminea Gould.	Feejee Islands.
448	574	Pinna senticosa Gould.	New Zealand.
449	565, 565 ^a	Mytilus divaricatus Gould.	China Seas.
450	566, 566 ^a	algius Gould.	Feejee Islands.
451	564, 564 ^a	pyriformis Gould.	South Seas.
452	562, 562 ^a	(Modiola) areolatus Gld.	New Zealand.
454	563, 563 ^a	(Modiola) hepaticus Gld.	Feejee Islands.
455	585-585 ^c	(Modiolarca) pusillus Gd.	Tierra del Fuego.
456	571-571 ^b	Pecten laetus Gould	New Zealand.
459	568-568 ^c	Gaimardia trapesina Gould. <i>Modiola trapesina</i> Lam.	Lat. 47° 30' S., long. 59° 53' W., and Orange Harbor.
461	577-577 ^b	Ostrea glomerata Gould.	New Zealand.
462	576-576 ^b	circumsuta Gould.	Feejee and Samoa Isl'ds.
463	578, 578 ^a	discoidea Gould.	
464	575, 575 ^a	mordax Gould.	Feejee Islands.

[Gould, Exploring Expedition.]

Page.	Fig.		
465	580-580 ^a	<i>Crania radiosa</i> Gould.	Rio Janeiro.
469	583-583 ^a	<i>Terebratula Patagonica</i> Gld.	Patagonia.
470	585	<i>Argonauta geniculata</i> Gould.	Rio Janeiro.
471	586, 586 ^a	<i>Octopus megalocyathus</i> Gld.	Orange Harbor.
473	587, 587 ^a	<i>mimus</i> Gould.	Callao, Peru.
474	588	<i>tetricus</i> Gould.	New South Wales.
475	589	<i>furvus</i> Gould	Rio Janeiro.
476	590, 590 ^a	<i>ornatus</i> Gould.	Sandwich Islands.
478	591	<i>pusillus</i> Gould.	Mangai Island, China Sea.
479	592	<i>mollis</i> Gould.	Samoa Island.
479	593	<i>Sepioteuthis arctipinnis</i> Gld.	Maui, Sandwich Islands.
480	594, 594 ^a	<i>Ommastrephes insignis</i> Gld.	Feejee Islands.
482	595	<i>Onychoteuthis rutulis</i> Gould.	New South Wales.
483	596	<i>brevimanus</i> Gould.	Tutuilla.
485	602-602 ^b	<i>Limacina scaphoidea</i> Gould.	Equatorial Atlantic.
486	601-601 ^b	? <i> cucullata</i> Gould.	An ice island, lat. 66° S.,
487	604, 604 ^a	<i>Hyalea inermis</i> Gould.	[long. 106° 20' E.
487	603	<i>femorata</i> Gould.	Equatorial Atlantic.
488	605-605 ^b	<i>Cleodora exausta</i> Gould.	Lat. 44° N., long. 154° W.
489	607, 607 ^a	<i>munda</i> Gould.	Equatorial Atlantic.
490	606	<i>placida</i> Gould.	Equatorial Atlantic.
490	608	<i>falcata</i> Gould.	Pacific Ocean.
491	597	<i>Atlanta primitia</i> Gould.	Equatorial Atlantic.
492	198-198 ^b	<i>cunicula</i> Gould.	West of Sandwich Isl'ds.
493	599-599 ^b	<i>violacea</i> Gould.	Stomach of a Bonito, lat.
			3° S., long. 20° W.
494	600-600 ^b	<i>tessellata</i> Gould.	Stomach of a Bonito, lat.
			3° S., long. 20° W.
495	609	<i>Cynthia amphora</i> Gould.	Rio Janeiro.
495	610	<i>Phallusia violacea</i> Gould.	Rio Janeiro.
496	611	<i>Ascidia monstrans</i> .	Rio Janeiro.
496	612, 612 ^a	<i>Boltenia coacta</i> Gould.	Orange Harbor.

ADDENDA AND CORRIGENDA.

Page.		Page.	
*500	<i>Athoracophorus</i> .	*500	<i>Succinea rotundata</i> .
*500	<i>Vitrina Ruivensis</i> .		<i>S. Newcombi</i> Pfr.
*500	<i>marcida</i> .	*500	<i>venusta</i> .
*500	<i>nitida</i> .	*500	<i>Nanina fricata</i> .
*500	<i>robusta</i> .	*500	<i>Helix intaminata</i> .
*500	<i>caperata</i> .		<i>H. Broderipii</i> Pfr. ?
*500	<i>tenella</i> .		<i>Carocolla dealbata</i> Brd.
*500	<i>furva</i> .	*501	<i>spirillus</i> .

[Gould, Exploring Expedition.]

Page.		Page.	
*501	Helix zig-zag.	*502	Cyclostoma strigatum.
	<i>H. rapida</i> Pfr.		<i>C. albida.</i>
*501	oultrata.	*502	plicatum.
	<i>H. callifera</i> Pfr.		<i>C. Apia</i> Recl.
*501	exæquata.	*502	Planorbis Keratoides.
	<i>H. disculus</i> Pfr.	*502	Melania scipio.
*501	bursatella.		<i>M. verruculum</i> Morel.?
	<i>H. turricula.</i>	*502	Cerithium invaginatum.
	<i>excavata.</i>		<i>C. planum</i> Phil.
*501	Troilus.	*502	aduncum.
	<i>H. Apia.</i>		<i>C. dorsuosum</i> A. Ad.
	<i>exclusa.</i>	*502	Pelex lateralis.
*501	nitidiuscula.	*502	Neritina cafra.
*501	Bulimus fulguratus.	*502	Nerita musiva.
*501	Partula sebrina.	*503	Turbo laciniatus.
	<i>P. Reclusiana</i> Petit.	*503	Trochus tantillus.
*502	Vertigo tantilla.		<i>Margarita angulata</i> A.
		*503	Litiopa decussata. [Ad.
		*503	Obeliscus terebelloides.

Page.	Fig.		
*503	274-274 ^b	Trichotropis pusilla.	Liberia.
*504	296-296 ^b	Triton Brazilianum Gould.	Rio Janeiro.
*506	297-297 ^b	mundum Gould.	Tutuilla.
*507	360, 360 ^a	Phos varicosus.	Philippine Islands.
*508	305, 305 ^a	Ricinula tuberculata.	
*508	323	Buccinum farinosum.	
*508	351	Mitra capillata.	
*508	382	Peronia indolens.	
*508		Mactra debilis.	
*508		Donax crocatus.	
*508		Venus toreuma.	
		<i>V. crebrisulca</i> Sowb.?	
*508		Unio dorsuosus.	
		<i>U. Napeanensis</i> Conr.	
*509		Gaimardia trapesina.	
*509		Ostrea discoidea.	

Dana.—On the question whether Temperature determines the distribution of Marine Species of Animals in Depth: by JAMES D. DANA. (From Am. Journ. Sc., n. s., vol. xv, p. 204. March, 1853.)

Page.		Page.	
	Notes on—	205	<i>Lucina spinifera</i> .
205	<i>Corbula nucleus</i> .	205	<i>Kellia suborbicularis</i> .
205	<i>Nemora cuspidata</i> .	205	<i>Modiola tulipa</i> .
205	<i>Thracia phaseolina</i> .	205	<i>barbata</i> .
205	<i>Solen pellucidus</i> .	205	<i>Arca tetragona</i> .
205	<i>Psammobia feroensis</i> .	205	<i>lactea</i> .
205	<i>Tellina donacina</i> .	205	<i>Pectunculus glycymeria</i> .
205	<i>Mactra subtruncata</i> .	205	<i>Nucula nitida</i> .
205	<i>Lutraria elliptica</i> .	205	<i>nucleus</i> .
205	<i>Cytherea chione</i> .	205	<i>Lima subauriculata</i> .
205	<i>Venus ovata</i> .	205	<i>Pecten similis</i> .
205	<i>fasciata</i> .	205	<i>maximus</i> .
205	<i>verrucosa</i> .	205	<i>opercularis</i> .
205	<i>Artemis lineata</i> .	205	<i>varius</i> .
205	<i>Cardium echinatum</i> .	205	<i>Anomia ehippium</i> .
205	<i>Lucina flexuosa</i> .		

Conrad.—Descriptions of new species of Unio: by T. A. CONRAD. (From Journ. Acad. Nat. Sc. Philadelphia, n. s., vol. ii, pt. 4, p. 295. February, 1854. Vide also, ante, p. 405.)

[The following are the foreign species.—W. G. B.]

Pa.	Pl.	Fig.		
295	xxvi	2	<i>Unio depressus</i> Lam.	Bogan river, Australia.
			<i>U. cultelliformis</i> Conr.	
295	xxvi	3	<i>Balonensis</i> Conr.	
296	xxvi	4	<i>Napeanensis</i> Conr.	
296			<i>depressa</i> D'Orb. is not <i>depressa</i> Lam.	
296	xxvi	6	———	Australia.
298			Synopsis of the genus <i>Pleiodon</i> .	
298			<i>Pleiodon ovata</i> .	
			<i>Iridina ovata</i> Swains.	
298			<i>Macmurtrei</i> Conr.	
299			<i>splendens</i> .	
			<i>Iridina splendens</i> Chenn.	

Conrad.—Monograph of the genus *Argonauta*, Linné, with descriptions of five new species: by T. A. CONRAD. (From same as last, p. 331.)

Pa.	Pl.	Fig.		
331			<i>Argonauta argo</i> Linn.	Mediterranean.
331			<i>compressa</i> Blainv.	Indian Ocean.
331	xxxiv	1	<i>papyratia</i> Conr.	
332			<i>gondola</i> Dillw.	South Atlantic.
			<i>A. navicula</i> Sol. ?	
			<i>Cranchii</i> Leach ?	
			<i>haustum</i> Dillw. ?	
			<i>raricosta</i> Blainv.	
332			<i>hians</i> Sol.	South Atlantic.
			<i>A. nitida</i> Desh. in Lam.	
332			<i>Oweni</i> Adams.	South Atlantic.
332			<i>nodosa</i> Sol.	Indian Ocean.
			<i>A. tuberculata</i> Shaw.	
			<i>tuberculosa</i> Lam.	
332	xxxiv	2	<i>cornuta</i> Conr.	
332	xxxiv	3	<i>dispar</i> Conr.	
333	xxxiv	4	<i>polita</i> Conr.	
333			<i>Nouryi</i> Lorois.	Pacific Ocean.
334			<i>crassicoستا</i> Blainv.	Australia.
334			<i>naviformis</i> .	
			<i>A. argo</i> (var.) Poli.	
334			<i>geniculata</i> Gould.	

Gould.—List of Shells brought home by the U. S. N. Astronomical Expedition: by AUG. A. GOULD. (From the United States Astronomical Expedition to the Southern Hemisphere, during the years 1849–52, Lieut. J. M. Gillis, Superintendent. Vol. ii, p. 263. Washington, 1855. Thirty-third Congress, First Session, House of Representatives, Ex. Doc., No. 121, 4to.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
263	<i>Chiton aculeatus</i> Linn.	263	<i>Chiton Peruvianus</i> Lam.
	Coquimbo.	263	<i>granosus</i> Frembl.
263	<i>spiniferus</i> Frembl.	263	<i>Cumingii</i> Sowb.
263	<i>magnificus</i> Desh.	263	<i>Oliva Peruviana</i> Lam.
263	<i>olivaceus</i> Frembl.		Coquimbo.

Page.		Page.	
263	var. <i>Senegalensis</i> .	263	<i>Cardium fragum</i> .
263	<i>Turbo niger</i> Gray.	263	<i>Conus eburneus</i> .
263	<i>Trochus ater</i> Less.	263	<i>Ricinuia horrida</i> .
263	<i>araucanus</i> D'Orb.	263	<i>albilabris</i> .
263	<i>Murex crassilabrum</i> .	263	<i>Monoceros crassilabrum</i>
263	<i>horridus</i> Sowb.	263	<i>Oliua guttata</i> . [Lam.]
263	<i>Bolvini</i> Kien.	263	<i>jaspidea</i> .
263	<i>Fissurella latimarginata</i>	263	<i>elegans</i> .
263	<i>Calyptræa pileus</i> . [Sowb.]	263	<i>flammulata</i> ?
263	<i>Peruviana</i> .	263	<i>Strombus gibberulus</i> .
263	<i>Littorina Peruviana</i> Gray.	263	<i>Cerithium lineatum</i> .
263	<i>araucana</i> D'Orb.	263	<i>Cyprea moneta</i> .
263	<i>Bulimus erythrostoma</i>	263	<i>annulus</i> .
263	<i>Acmsæa viridula</i> . [Sowb.]	263	<i>cicercula</i> .
263	var. <i>Achates</i> .	263	<i>eburnea</i> .
263	<i>scutum</i> D'Orb. & Esch.	263	<i>fimbriata</i> .
263	<i>scurra</i> Less.	263	<i>Venus pannosa</i> Sowb.
263	<i>Triton scaber</i> King.	263	<i>Terebra cinerea</i> .
263	<i>rudis</i> Sowb.	263	<i>striata</i> .
263	<i>Nassa rubricata</i> Gould.	263	<i>Nerita albigilla</i> .
263	<i>Mesodesma donacia</i> Lam.	263	<i>Le Guillouana</i> .
263	<i>Cytherea pannosa</i> ? D'Orb.	263	<i>Neritina canales</i> Sowb.
263	<i>Mytilus</i> ———.	263	<i>Siphonaria Lessoni</i> Blais.
263	<i>Planorbis</i> ———.	263	<i>Natica uber</i> .
263	<i>Dombeya</i> (<i>Chilina</i>) <i>fluc-</i>	263	<i>Melampus</i> ———.
263	<i>Cardium unedo</i> . [tuosa.]		

Jay.—Report on the Shells collected by the Japan Expedition, under the command of Commodore M. C. Perry, U. S. N., together with a list of Japan Shells: by JOHN C. JAY, of New York. (From the Report of Perry's Expedition to Japan, vol. ii, p. 291. Washington, 1856. Thirty-third Congress, Second Session, Senate Ex. Doc., No. 79.)

Pa.	Pl.	Fig.		
292	i	7-10	<i>Mya Japonica</i> Jay.	Volcano Bay, Yedo.
292	i	8, 9	<i>Psammobia olivacea</i> Jay.	Bay of Yedo.
292	ii	1, 2	<i>Cytherea meretrix</i> Linn.	Canton river, Yedo.
293	i	1-6	<i>formosa</i> Sowb.	Low Chew.
293	ii	3-5, 10	<i>morphina</i> Lam.	Canton river, Low Chew.
293	ii	6-9	<i>petechialis</i> L'k.	Low Chew.
293	iii	1, 2	<i>Dipsas plicatus</i> .	Shanghai.

Pa.	Pl.	Fig.		
293	iv	1, 2	Pecten Yessoensis Jay.	Hakodadi.
	iii	3, 4		
294	v	1-6	Helix Simodæ Jay.	Simoda.
294	v	7-9	Perryi Jay.	Yedo.
294	v	10-12	Lymnea Japonica Jay.	Simoda.
295	v	16, 17	Purpura septentrionalis.	Sitka?
295	v	13-15	Bullia Perryi Jay.	Bay of Yedo.

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LIST OF JAPANESE SHELLS.

	Page.
296 Solen constrictus Lam.	296
296 Panopæa Japonica A. Ad.	296 Arca obtusa Ree.
296 Mya Japonica Jay.	296 Nucula Japonica A. Ad.
296 Corbula erythronon Lam.	296 mirabilis A. Ad.
296 Lutraria Sieboldii Desh.	296 Modiola silliqua Phil.
296 Chemnitzii Phil	296 Mytilus unguatus Lam.
296 Maetra veneriformis Desh.	296 Lithophagus caperatus Ph.
296 rostralis Desh.	296 Avicula Japonica Dunk.
296 corbicula Phil.	296 Chama Japonica Lam.
296 pellicula Desh.	296 Pecten Yessoensis Jay.
296 eburnea Phil.	296 nobilis Ree.
296 Venerupis Nuttallii Conr.	296 Japonicus Gmel.
296 Psammobia olivacea Jay.	296 molitus Ree.
296 Tellina secta Conr.	296 pleuronectes Linn.
296 Astarte Japonica Jay.	296 Ostrea borealis Linn.
296 Cytherea morphina Lam.	296 Terebratula Japonica A. A.
296 petechialis Lam.	296 angusta A. Ad.
296 meretrix Linn.	296 rubella Sowb.
296 lusoria Lam.	296 Dentallium octogonum Desh.
296 Artemis Japonica Ree.	296 Patella lanx Ree.
296 scabra Phil.	296 saccharina Linn. [Phil.
296 bilunata Gray.	296 Parmophorus emarginatus
296 Sieboldii Ree.	296 Fissurella Sieboldii Ree.
296 sericea Ree.	296 Tongana Quoy.
296 biscocta Ree.	296 Stomatella Japonica A. Ad.
296 orientalis Sowb.	296 Sigaretus papillus Recl.
296 Venus striata Chemn.	296 Haliotis gigantea Chemn.
296 donacina Chemn.	296 Japonica Ree.
296 Japonica Gmel.	296 discus Ree.
296 æquilatera Sowb.	296 Sieboldii Ree.
296 Tapes decussata Linn.	296 Bulla viridis Ree.
296 Japonica Desh	296 ampulla Linn.
296 Meroe excavata Hanl.	296 Helix Perryi Jay.
296 Isocardia tetragona A. Ad.	296 Simodæ Jay.
296 Arca Japonica Ree.	296 Largillierii Phil.

Page.		Page.	
296	<i>Helix Sieboldiana Phil.</i>	297	<i>Cerithium nebulosum Phil.</i>
296	<i>elegantissima Pfr.</i>	297	<i>Fusus fornicatus Gmel.</i>
296	<i>Japonica Pfr.</i>	297	<i>Pyrula fccoides Lam.</i>
296	<i>horiomphala Pfr.</i>	297	<i>Cancellaria nodulifera Sowb.</i>
296	<i>conospira Pfr.</i>	297	<i>Pleurotoma flavidula Lam.</i>
296	<i>Bulimus rimatus Pfr.</i>	297	<i>Murex falcatus Sowb.</i>
296	<i>Clausilia Buschii Küst.</i>	297	<i>inermis Sowb.</i>
296	<i>valida Pfr.</i>	297	<i>eurypteron Ree.</i>
296	<i>Sieboldii Pfr.</i>	297	<i>Strombus Japonicus Ree.</i>
296	<i>Auricula hepatica Phil.</i>	297	<i>Cassis saburon Lam.</i>
296	<i>Lymnea Japonica Jay.</i>	297	<i>Japonica Ree.</i>
296	<i>flava Phil.</i>	297	<i>Columbella versicolor Sb.</i>
296	<i>Melania Bensoni Phil.</i>	297	<i>Purpura septentrionalis Ree.</i>
296	<i>Natica Antoni Phil.</i>	297	<i>Dolium variegatum Lam.</i>
296	<i>duplicata Sag.</i>	297	<i>Buccinum Chinense Phil.</i>
296	<i>mamilla Lam.</i>	297	<i>achatinum Lam.</i>
296	<i>olla Desh.</i>	297	<i>Nassa Japonica A. Ad.</i>
296	<i>Actæon Dianæ A. Ad.</i>	297	<i>ponderosa A. Ad.</i>
296	<i>Ianthina communis Lam.</i>	297	<i>Desmoulea crassa A. Ad.</i>
296	<i>prolongata Blainv.</i>	297	<i>Bullia Perryi Jay.</i>
296	<i>Obeliscus pulchellus A. Ad.</i>	297	<i>Eburna Japonica Ree.</i>
296	<i>brunneus A. Ad.</i>	297	<i>Terebra serotina A. Ad.</i>
296	<i>Globulus giganteus Less.</i>	297	<i>Mitra impressa Anton.</i>
296	<i>Xenophora pallidulus Ree.</i>	297	<i>incisa A. Ad.</i>
296	<i>Monodonta catenulata.</i>	297	<i>Voluta megaspira Sowb.</i>
296	<i>exigua A. Ad.</i>	297	<i>cassidula Ree.</i>
296	<i>Trochus Japonicus Dunk.</i>	297	<i>Cypræa caputserpentis Lin.</i>
296	<i>triumphans Phil.</i>	297	<i>miliaris Gmel.</i>
296	<i>Clanculus Smithii Wood.</i>	297	<i>fimbriata Gmel.</i>
296	<i>Turbo Japonicus Ree.</i>	297	<i>pallida Gray.</i>
296	<i>Littorina Sieboldii Phil.</i>	297	<i>Ovulum concinnum Sowb.</i>
296	<i>Cecillii Phil.</i>	297	<i>birostre Lam.</i>
296	<i>Turritella aquila Ree.</i>	297	<i>striatulum Lam.</i>
297	<i>Eglisia Cumingii A. Ad.</i>	297	<i>volva Linn.</i>
297	<i>Cerithium Cecillii Phil.</i>	297	<i>Conus Sieboldii Ree.</i>

Lea.—Proceedings of the American Philosophical Society.
Philadelphia.

[For localities of the following species, vide quotations from the Transactions of this Society.—W. G. B.]

Isaac Lea.—Descriptions of—

Vol. i, No. 10. Jan.—Feb. 1840.

Page.

- 173 *Bulimus Woodianus* Lea.
173 *bicoloratus* Lea.
173 *subglobosus* Lea.
173 *gracilis* Lea.
174 *carinatus* Lea.
174 *virido-striatus* Lea.
174 *virgineus* Lea.
174 *Liberianus* Lea.
174 *Cyclostoma Woodiana* Lea.
174 *Carocolla bifasciata* Lea.
174 *Helix cepoides* Lea.
174 *Blainvilliana* Lea.
174 *Lamarckiana* Lea.
175 *luteo-fasciata* Lea.
175 *ferruginea* Lea.
175 *Cuvieriana* Lea.
175 *Blandingiana* Lea.
175 *Humphreysiana* Lea.
175 *Balasteriana* Lea.

Vol. i, No. 13. Aug.—Oct. 1840.

- 285 *Unio cucumoides* Lea.
285 *delphinus* Lea.
285 *orientalis* Lea.
285 *Javanus* Lea.

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- 288 *Margaritana Vondenburgiana* Lea.

Vol. ii, No. 17. Mar.—Apr. 1841.

- 30 *Unio Rajahensis* Lea.
31 *Anodonta Montezuma* Lea.
31 *Bulimus Javanus* Lea.
31 *Achatina turbinata* Lea.
31 *striata* Lea.
31 *Succinea gracilis* Lea.
32 *Candeana* Lea.
32 *fulgens* Lea.
33 *Lymnea rubella* Lea.

Vol. ii, No. 23. Aug.—Oct. 1842

Notes on—

- 213 *Petricola solida* Lea.
Payta, Peru.
213 *denticulata* Lea.
Payta, Peru.
213 *Lithophagus dactylus* Lea.
Payta, Peru.
213 *Ostrea* ——— Lea.
Payta, Peru.

Vol. v, No. 43. Feb.—Dec. 1852.

- 252 *Basistoma* Lea (n. g.)

Binney, Couthouy, Gould, &c.—In the Boston Journal of Natural History occur the following :—

Vol. 1, pt. 1. 1834.

Page. Pl. Fig.

- 63 **Binney.**—Observations on a Shell in the Cabinet of the Boston Society of Natural History, supposed to be identical with the *Murex Aruanus* of Linnaeus, and the *Fusus Probosciferus* of Lamarck: by A. BINNEY.

- 67 v **Fusus Aruanus.** East Indies?
vi *Murex Aruanus* Linn.
Fusus probosciferus Lam.

Vol. 1, pt. 4. May, 1837.

- 440 **Couthouy.**—Description of a new species of the genus *Marginella* (Lam.), with some observations on the same: by JOSEPH P. COUTHOUY.

- 440 ix 1, 2 **Marginella Storeria** Couth. S. shores of Gulf of Mexico.

Vol. 11, pt. 2. Feb. 1839.

- 129 **Couthouy.**—Monograph of the family Osteodermacea of Deshayes, with remarks on two species of Patelloidea, and descriptions of new species of Marine Shells, a species of *Anculotus*, and one of *Bolis*: by JOSEPH P. COUTHOUY.

[For the American species, vide p. 345.—W. G. B.]

- 135 **Thracia pubescens.** English Channel.
Mya declivis Penn.
pubescens Pult.
Anatina myalis Lam.
declivis Brown.
- 140 **convexa.** Great Britain.
Mya declivis Don.
convexa Wood.
Anatina convexa Turt.
Ligula distorta Mont.
- 143 **corbuloides.** Mediterranean.
146 **plicata.**
147 **phaseolina.**
Amphidesma phaseolina Lam.
- 150 iv 3 **similis** Couth. Brazil.

[Boston Journ. Nat. Hist.]

Page. Pl. Fig.

- 158 Notes on—
 158 *Anatina declivis* Turt.
 159 *villosiuscula* Brown.
 159 *Mya distorta* Mont.
 160 *Periploma trapezoides*. Brazil.
Anatina trapezoides Lam.
Ostodesma trapezoides Blainv.

Vol. iv, pt. 4. 1844.

- 452 Gould.—Descriptions of Land Shells from the Province of Tavoy, in British Burmah: by AUGUSTUS A. GOULD, M. D.

- 453 xxiv 1 *Helix procumbens* Gould.
 453 xxiv 6 *infrendens* Gould.
 454 xxiv 9 (*Carocolla*) *gabata* Gould.
 454 xxiv 4 *anceps* Gould.
 455 xxiv 5 *retrorsa* Gould.
 456 xxiv 2 *Vitrina præstans* Gould.
 456 xxiv 7 *Helix (Steptaxis) Petitii* Gould.
 457 xxiv 3 *Bulimus atricallosus* Gould.
 458 xxiv 8 *Clausilia insignis* Gould.
 458 xxiv 11 *Cyclostoma pernobilis* Gould.
 459 xxiv 10 *sectilabrum* Gould.

- 485 Gould.—Descriptions and notices of some of the Land Shells of Cuba: by A. A. GOULD, M. D.

[Notes and localities of each species are given and descriptions of the new species.—W. G. B.]

- 486 *Helix auricoma* Fer.
 486 *Bonplandii* Lam.
 487 *multistriata* Desh.
H. circumtexta Fer.
 487 *Poeyi* Pet.
 487 *gilvus* Fer.
H. penicillata Gould.
 487 *Cubensis* Pfr.
H. Lanieriana D'Orb.
 488 *fragilis* Pfr.
 488 *Boothiana* Pfr.
 488 *Ottonis* Pfr.
 488 *saxicola* Pfr.
 488 *septemvolva* Say.
 488 *Ramonis* D'Orb.

[Boston Journ. Nat. Hist.]

Page.	Pl.	Fig.	
489			Achatina fasciata Mull.
			<i>A. verillum</i> Brug.
489			gracillima Pfr.
489			octona Chemn.
489			Glandina oleacea Fer.
489			folliculus Lam.
			<i>Achatina solidula</i> Pfr.
490			Pupa unidentata Lam.
			<i>Bulinus Canimensis</i> Pfr.
490			servilis Gould.
			Described on p. 356, pl. xvi, fig. 14.
490			contracta Say.
490			ohrysalis Fer.
490			elegans (<i>Cylindrella</i>) Pfr.
			<i>P. (Siphonostoma) lituus</i> Gould.
490	xxiv	12	(<i>Siphonostoma</i>) porrecta Gould.
491	xxiv	13	lactaria Gould.
492			subula Fer. ?
492			(<i>Cyl.</i>) crispula Pfr.
492			Helicina submarginata Gr.
			<i>H. rubra</i> Pfr.
			<i>crassa</i> D'Orb.
492			sagra D'Orb.
492			pulcherrima Lea.
493			adpersa Pfr.
			<i>H. variegata</i> D'Orb.
493			globulosa D'Orb.
493			nitida Pfr.
			<i>H. glabra</i> Gould.
493			rugosa Pfr.
493			hispidia Pfr.
493			rupestris Pfr.
494			Cyclostoma auriculatum D'Orb.
			<i>C. bicolor</i> Gould.
494			sagra D'Orb.
			<i>C. pictum</i> Pfr.
			<i>mahogani</i> Gould.
494			interruptum Sowb.
			<i>C. catenatum</i> Gould.
495			rugulosum Pfr.
			<i>C. clathratum</i> Gould.
495			Candeanum Sowb.
495			Auberianum D'Orb.
			<i>C. crenulatum</i> Pfr.

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Page.	Pl.	Fig.	
495			<i>Succinea</i> ——— ?
495			<i>Limnea</i> ——— ?
495			<i>Physa</i> ——— ?
496			<i>Planorbis Havanensis</i> Pfr.
496			<i>Cubensis</i> Pfr.
496			<i>cultratus</i> D'Orb.
496			<i>Lanieriana</i> D'Orb.
496	xxiv	14	<i>dentatus</i> Gould.
			<i>P. albicans</i> Pfr. ?

Notes on—

497			<i>Littorina tuberculata</i> Mke.
498			<i>Turbo trochiformis</i> Dillw.
498			<i>Trochus nodulosus</i> Gmel.
498			<i>tuberculatus</i> Wood.
498			<i>Littorina dilatata</i> D'Orb.

Vol. iv, pt. 4. 1842.

A. A. Gould.—(On the third page of the cover of pt. 1, of vol. iv, occur descriptions of the following.)

<i>Helix penicillata</i> Gould.	Cuba.
<i>Helicina glabra</i> Gould.	Cuba.
<i>Pupa (Siphonostoma) porrecta</i> Gould.	Cuba.
<i>lituus</i> Gould. [Gould.	Cuba.
<i>Cyclostoma bicolor</i> Gould.	Cuba.
<i>clathratum</i> Gould.	Cuba.
<i>mahogani</i> Gould.	Cuba.
<i>catenatum</i> Gould.	Cuba.
<i>Conus castrensis</i> Gould.	

Vol. v, pt. 2. Oct. 1843.

290 Gould.—Descriptions of Shells from the Coast of Africa: by AUGUSTUS A. GOULD, M. D.

290	xxiv	7	<i>Pholas branchiata</i> Gould.
291	xxiv	9	<i>Psammobia figlina</i> Gould.
292	xxiv	8	<i>Nucula bicuspidata</i> Gould.
292	xxiv	10	<i>Nassa turbinea</i> Gould.
293	xxiv	11	<i>elata</i> Gould.

Vol. v, pt. 3. June, 1846.

344 xx 1-3 Leidy.—Anatomical description of the animal of *Littorina angulifera* Lam.: by JOSEPH LEIDY, M. D.

Gould, Adams, &c.—Proceedings of the Boston Society
of Natural History.

Oct. 1843.
Vol. Page.

- i 138 **Dr. A. A. Gould.**
- i 138 *Helix penicillata* = *H. gilvus* Fer.
- i 138 *Helicina glabra* = *Helicina nitida* Pfr.
- i 138 *Pupa carinata* = *P. procera* Gould.
- i 138 *Siphonostoma lituus* *Cylindrella elegans* Pfr.
- i 138 *Cyclostoma clathratum* = *C. rugulosum* Pfr.
- i 138 *Mahogani* = *C. Sagra* D'Orb. (*pictum* Pfr.)
- i 138 *bicolor* = *C. auriculatum* D'Orb.
- i 138 *Siphonostoma porrectum* Gould. Cuba.
- i 138 *Cyclostoma catenatum* Gould. Cuba.
- i 138 *Conus castrensis* Gould.
- i 138 *Pupa servilia* Gould. Cuba, Santa Cruz.
- i 139 *lyrata* Gould. Sandwich Islands.
- i 139 *Helix procumbens* Gould. Tavoy.
- i 139 *infrendens* Gould. Tavoy.
- i 139 (*Carocolla*) *gabata* Gould. Tavoy.
- i 139 *retrorsa* Gould. Tavoy.
- i 139 *anceps* Gould. Tavoy.
- i 140 *Vitrina præstans* Gould. Tavoy.
- i 140 *Bullimus atricallosus* Gould. Tavoy.
- i 140 *Clausilia insignis* Gould. Tavoy.
- i 140 *Cyclostoma pernobilis* Gould. Tavoy.
- i 140 *sectilabrum* Gould. Tavoy.
- i 140 *Unio Tavoyensis* Gould. Tavoy.
- i 141 *crispata* Gould. Tavoy.
- i 141 *foliacea* Gould. Tavoy.
- i 141 *exolescens* Gould. Tavoy.
- i 144 *Paludina dollaris* Gould. Burmah.
- i 144 *petrosa* Gould. Burmah.
- i 144 *Melania batana* Gould. Burmah.
- i 144 *Modiola varicosa* Gould. Burmah.

Nov. 1843.

Notes on—

- i 148 **Melampus and Pedipes.**
- Dec. 1843.
- i 157 *Helix* (*Carocolla*) *pellucida* Gould. Africa.
- i 158 *Bullimus rubicundulus* Gould. Africa.
- i 158 *interstinctus* Gould. Africa.
- i 158 *Achatina torrida* Gould. Africa.

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i	158	<i>Pupa pumilio</i> Gould.	Africa.
i	158	<i>capitata</i> Gould.	Africa.
i	159	<i>Melania mutans</i> Gould.	[don). Africa.
i	160	<i>Anodon Salweniana</i> Gld. (Pseudo-	R. Salwen, Burmah.
i	160	<i>inoscularis</i> Gould (Pseudodon).	R. Salwen, Burmah.
i	160	<i>Pseudodon</i> Gould (n. s. g.)	
i	160	<i>edentula</i> Gould.	
i	160	<i>Stewartii</i> Gould.	
May, 1844.			
i	174	<i>Helix setigera</i> Gould.	Sandwich Islands.
i	174	<i>stellula</i> Gould.	Sandwich Islands.

Jan. 1845.

- ii 1 **Adams.**—Specierum novarum Conchyliorum in Jamaica reperi-
torum Synopsis: by C. B. Adams.

V. Pa.

ii	1	<i>Marginella rubella</i> Ad.
ii	1	<i>Erato</i> ? <i>cypræoides</i> Ad.
ii	2	<i>Mitra albo-cincta</i> Ad.
ii	2	<i>exigua</i> Ad. [Ad.
ii	2	<i>Columbella purpurascens</i>
ii	2	<i>subcostulata</i> Ad.
ii	2	<i>Buccinum candidissimum</i>
ii	2	<i>concinnum</i> Ad. [Ad.
ii	2	<i>obesum</i> Ad.
ii	2	<i>Purpura nodulosa</i> Ad.
ii	3	<i>Fusus muricoides</i> Ad.
ii	3	<i>Pleurotoma albo-macu-</i> <i>lata</i> Ad.
ii	3	<i>albo-cincta</i> Ad.
ii	3	<i>nigrescens</i> Ad.
ii	3	<i>trilineata</i> Ad.
ii	3	<i>albida</i> Ad.
ii	3	<i>multilineata</i> Ad.
ii	4	<i>albo-vittata</i> Ad.
ii	4	<i>candidissima</i> Ad.
ii	4	<i>fusca</i> Ad.
ii	4	<i>dubia</i> Ad.
ii	4	<i>minor</i> Ad.
ii	4	<i>fusco-lineata</i> Ad.
ii	4	<i>elatior</i> Ad.
ii	4	<i>Cerithium ambiguum</i> Ad.
		<i>C. lafondii</i> Ad.
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ii	5	<i>Cerithium iota</i> Ad.
ii	5	<i>variabile</i> Ad.
ii	5	<i>mutabile</i> Ad.
ii	5	<i>algicola</i> Ad.
ii	5	<i>bicolor</i> Ad.
ii	6	<i>Rissoa albida</i> Ad.
ii	6	<i>affinis</i> Ad.
ii	6	<i>scalarella</i> Ad.
ii	6	<i>tervaricosa</i> Ad.
ii	6	<i>crassicoستا</i> Ad.
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ii	6	<i>Chemnitzia Babylonica</i> Ad.
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ii	7	<i>Nerita præcognita</i> Ad.
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ii	8	<i>Patella tenera</i> Ad.
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ii	27	<i>Achatinella radiata</i> Gould.	Sandwich Islands.
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ii	37	<i>Pholas branchiata</i> Gould.	Liberia.
ii	37	<i>Psammobia figlina</i> Gould.	Liberia.
ii	37	<i>Tellina rubicunda</i> Gould.	Liberia.
ii	37	<i>Nucula bicuspidata</i> Gould.	Liberia.
ii	37	<i>Nassa turbinea</i> Gould.	Liberia.
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ii	38	<i>Helix hepaticon</i> Gould.	M. of Gaboon river.

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ii	98	<i>Helix saturnia</i> Gould.	Tavoy, Burmah.
ii	99	<i>refuga</i> Gould.	Tavoy, Burmah.
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ii	100	<i>Nucula turgida</i> Gould.	Tavoy, Burmah.
ii	101	<i>Bulimus turnix</i> Gould.	Organ Mts., Brazil.

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ii	102	<i>Planorbis pallidus</i> Adams.	Jamaica.
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- ii 133 Memoir on Mollusca of Jamaica.
- ii 134 (List of New England Shells found in Jamaica)—
- ii 134 *Buccinum vibex* Say.
- ii 134 *Cerithium terebrale*.
- ii 134 *Limnea umbilicata*.
- ii 134 *Helix chersina*.
- ii 134 *Pupa contracta*.
- ii 134 *rupicola*.
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[The descriptions of the Mollusks of Wilkes' Exploring Expedition were also published in pamphlet form, under the title of "Expedition Shells."—W. G. B.]

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| ii 142 | <i>Chiton quercinus</i> Gould. | New South Wales. |
| ii 142 | <i>jugosus</i> Gould. | New South Wales. |
| ii 142 | <i>fruticosus</i> Gould. | New South Wales. |
| ii 143 | <i>platessa</i> Gould. | New South Wales. |
| ii 143 | <i>jaspideus</i> Gould. | Callao. |
| ii 143 | <i>puniceus</i> Gould. | Orange Harbor. |
| ii 143 | <i>confosus</i> Gould. | Feejee Islands. |
| ii 144 | <i>pruinosis</i> Gould. | Rio Janeiro. |
| ii 144 | <i>viridulus</i> Gould. | Orange Harbor. |
| ii 144 | <i>petaloides</i> Gould. | Sandwich Islands. |
| ii 145 | <i>incanus</i> Gould. | New South Wales. |
| ii 148 | <i>Patella talcosa</i> Gould. | Hawaii. |
| ii 148 | <i>sagittata</i> Gould. | Feejee Islands. |
| ii 149 | <i>illuminata</i> Gould. | Auckland Island. |
| ii 149 | <i>citruillus</i> Gould. | Funchal, Madeira. |
| ii 150 | <i>Paumotensis</i> Gould. | Feejees, &c. |
| ii 150 | <i>luctuosa</i> Gould. | New Zealand. |
| ii 150 | <i>piperata</i> Gould. | C. de Verd & Madeira. |
| ii 151 | <i>cinnamomea</i> Gould. | New South Wales. |
| ii 151 | <i>Lottia cymbiola</i> Gould. | Valparaiso. |
| ii 152 | <i>Patella (Lottia?) araneosa</i> Gould. | Sooloo Sea. |
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| ii 153 | <i>Siphonaria cornuta</i> Gould. | Mangsi Island. |
| ii 153 | <i>inculta</i> Gould. | New Zealand. |
| ii 153 | <i>lateralis</i> Gould. | Burnt Isl., Or. Harbor. |
| ii 154 | <i>lepida</i> Gould. | Rio Janeiro. |
| ii 154 | <i>normalis</i> Gould. | Sandwich Islands. |

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ii	171	<i>cloeroula</i> Gould.	Mountains of Hawaii.
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ii	172	<i>gradata</i> Gould.	Tongataboo.
ii	172	<i>fornicata</i> Gould.	Kauai.
ii	173	<i>rubiginosa</i> Gould.	Kauai.
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ii	214	<i>reticulata</i> Gould.	Sandwich Islands.
ii	215	<i>venustula</i> Gould.	Lima.
ii	218	<i>Helix anguina</i> Gould.	Manko, Tavoy.
ii	219	<i>Melania pagodula</i> Gould.	Thoungyin river.
ii	219	<i>baccata</i> Gould.	Thoungyin river.
ii	219	<i>humerosa</i> Gould.	Manko, Tavoy.
ii	219	<i>fluctuosa</i> Gould.	Newville, Tavoy.
ii	220	<i>Neritina capillulata</i> Gould.	Tavoy.
ii	220	<i>Nerita articulata</i> Gould.	Tavoy.
ii	220	<i>Nematura puncticulata</i> Gould.	Tavoy.
ii	220	<i>Unio generosus</i> Gould.	Newville, Tavoy.
ii	222	<i>Melania Cybele</i> Gould.	Feejees, &c.
ii	222	<i>tetrica</i> Gould.	Feejees.
ii	222	<i>Terpsichore</i> Gould.	Feejees, &c.
ii	223	<i>corolla</i> Gould.	Bank's Penin., N. Zld.
ii	223	<i>lutosa</i> Gould.	Upolu.
ii	223	<i>corporosa</i> Gould.	Tahiti.
ii	224	<i>Scipio</i> Gould.	Samoa and Feejee Isls.
ii	224	<i>vainafa</i> Gould.	Upolu.

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ii 224 *Melania scitula* Gould.

Upolu.

July, 1847.

ii 225 *furfurosa* Gould.

Manilla.

ii 225 *Melanopsis Zelandica* Gould.

New Zealand.

ii 237 *Neritina percata* Gould.ii 237 *cholericæ* Gould.

Feejees.

ii 237 *chrysocolla* Gould.

Upolu.

ii 238 *helvola* Gould.

Feejees.

ii 238 *aiderea* Gould.

Feejees.

ii 238 *amœna* Gould.ii 238 *musiva* Gould.ii 239 *soluta* Gould.

Dec. 1847.

ii 251 *Bulla parallela* Gould.ii 251 *Tornatella bullata* Gould.

Patagonia.

ii 251 *Haliotis crispata* Gould.

New Holland.

ii 252 *Scalaria gracilentæ* Gould.

Mangsi Island.

ii 252 *texturata* Gould.

Nov. 1848.

iii 73 *Natica algida* Gould.

Rio Negro.

iii 73 *dilecta* Gould.iii 73 *Stomatella decolorata* Gould.

Mangsi Island.

iii 74 *tumida* Gould.

China Seas.

iii 74 *Ampullaria columellaris* Gould.

Mayna, Peru.

iii 74 *Amnicola badia* Gould.

Bank's Penin., N. Zld.

iii 75 *egena* Gould.

Bank's Penin., N. Zld.

iii 75 *Litiopa decussata* Gould.

Lat. 37° 40' N., long.

54° 30' W.

March, 1849.

iii 83 *Littorina caliginosa* Gould.

Terra del Fuego.

iii 84 *acuminata* Gould.

Mangsi Island.

iii 84 *Stylifer acioula* Gould.

Feejee Islands.

iii 84 *Solarium egenum* Gould.iii 89 *Turbo confragosus* Gould.

Dean's Island.

iii 90 *sirius* Gould.

New Holland.

iii 90 *laciniatus* Gould.

Manilla.

iii 90 *Trochus pruninus* Gould.

Auckland Island.

iii 90 *texturatus* Gould.

New Zealand.

iii 91 *ovipillus* Gould.

New Zealand.

iii 91 *juvundus* Gould.

New Zealand.

iii 91 *gradatus* Gould.

Pacific Island.

iii 92 *acinosus* Gould.

New Zealand.

iii 92 *elusus* Gould.

Singapore.

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April, 1849.

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iii	106	Trochus bicrenatus Gould.	
iii	106	circumsutus Gould.	Madagascar?
iii	106	spureus Gould.	Madeira.
iii	107	amœnus Gould.	Feejee Islands.
iii	107	(Monodonta) colubrinus Gld.	Madeira.
iii	107	instrictus Gould.	Pacific Island.
iii	107	atropurpureus Gould.	Tutuilla.
iii	108	rotellinus Gould.	Mangsi Island.
May, 1849.			
iii	118	tantillus Gould.	Sandwich Islands.
iii	118	Planaxis lineolatus Gould.	Wilson's Island.
iii	118	Pyramidella ambigua Gould.	Clermont Tonnere Isl.
iii	119	Cerithium aduncum Gould.	Mindanao.
iii	119	irroratum Gould.	
iii	119	sordidulum Gould.	
iii	120	invaginatum Gould.	Feejee Islands.
iii	120	œlatum Gould.	Terra del Fuëgo.
iii	120	pusillum Gould.	Sandwich Islands.
iii	121	egenum Gould.	Wilson's Island.
iii	121	lanthinum Gould.	Clermont Tonnere.
iii	140	Pleurotoma seminifera Gould.	
iii	140	Mangelia cithara Gould.	Feejee Islands.
iii	141	Pusillus liratus Gould.	Orange Harbor.
iii	141	crispus Gould.	Orange Harbor.
iii	141	lucius Gould.	
iii	142	sublatus Gould.	
iii	142	Brazilianum Gould.	Rio Janeiro.
iii	143	Triton mundum Gould.	Tutuilla.
iii	143	Phos varicosus Gould.	Philippine Islands.
iii	143	Murex (Trophon) fruticosus Gld.	New Holland.
Jan. 1850.			
iii	151	Buccinum (Bullia?) velatum Gld.	Mindanao.
iii	152	funereum Gould.	New Zealand.
iii	152	(Pollia) farinosum Gould.	Kauai.
iii	153	Nassa musiva Gould.	Cape de Verd Islands.
iii	153	lucida Gould.	Tutuilla.
iii	153	curta Gould.	Samoa Island.
iii	154	cinctella Gould.	Pacific Ocean.
iii	154	casta Gould.	Pacific Ocean.
iii	154	acinosus Gould.	
iii	155	paupera Gould.	Pacific Ocean.
iii	155	rubricata Gould.	Pacific Shore.

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iii	169	<i>Columbella valga</i> Gould.	Pacific.
iii	170	<i>castanea</i> Gould.	Rio Janeiro.
iii	170	<i>Mitra vitellina</i> Gould.	
iii	170	<i>fidicula</i> Gould.	
iii	171	<i>oophina</i> Gould.	Singapore.
iii	171	<i>robata</i> Gould.	
iii	171	<i>capillata</i> Gould.	Madeira.
iii	172	<i>encausta</i> Gould.	Feejee Islands.
iii	172	<i>Conus dilectus</i> Gould.	Feejee Islands.

April, 1850.

iii	193	<i>Vaginulus Liberianus</i> Gould.	Liberia.
iii	193	<i>Succinea spurca</i> Gould.	Liberia.
iii	193	<i>helicoidea</i> Gould.	Liberia.
iii	194	<i>Helix indecorata</i> Gould.	Liberia.
iii	194	<i>cerea</i> Gould.	Cape Palmas.
iii	194	<i>talcosa</i> Gould.	Cape Palmas.
iii	194	<i>Bulimus mucidus</i> Gould.	Liberia.
iii	195	<i>infractinctus</i> Gould.	Taboo, Liberia.
iii	195	<i>Achatina ventricosa</i> Gould.	Liberia.
iii	195	<i>balteata</i> Gould.	Liberia.
iii	196	<i>paritura</i> Gould.	Liberia.
iii	196	<i>Amnicola ciliata</i> Gould.	Deea river, Liberia.
iii	196	<i>Ampullaria balanoidea</i> Gould.	Liberia.
iii	197	<i>Trichotropis pusillus</i> Gould.	Liberia.
iii	197	<i>Aplysia fimbriata</i> Gould.	South America.
iii	197	<i>Bulimus interstinctus</i> Gould.	
		<i>B. rubicundulus</i> Gould.	

May, 1850.

iii	214	<i>Pholas patula</i> Gould.	Philippine Islands.
iii	214	<i>Solen scalprum</i> Gould.	Singapore.
iii	214	<i>Panopæa antarctica</i> Gould.	Rio Negro, Patagonia.
iii	215	<i>Mactra deluta</i> Gould.	New Zealand.
iii	216	<i>cuneola</i> Gould.	Callao.
iii	216	<i>marcida</i> Gould.	Orange Harbor.
iii	217	<i>Mesodesma munda</i> Gould.	Mangsi.
iii	217	<i>Pandora cistula</i> Gould.	East Patagonia.
iii	218	<i>Osteodesma Braziliensis</i> Gould.	Rio Janeiro.
iii	218	<i>Amphidesma croceum</i> Gould.	Callao.
iii	218	<i>Brycina (Poronia) ovata</i> Gould.	Sandwich Islands.

June, 1850.

iii	252	<i>(Mellia) quadrata</i> Gould.	Feejee Islands.
iii	252	<i>Tellina tithonia</i> Gould.	Sooloo Sea.
iii	252	<i>lauta</i> Gould.	

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iii	253	<i>Tellina compta</i> Gould.	
iii	253	<i>exulta</i> Gould	Feejee Islands.
iii	253	<i>concentrica</i> Gould.	Feejee Islands.
iii	254	<i>perula</i> Gould.	Feejee Islands.
iii	254	<i>Psammobia florida</i> Gould.	Illawarra, N. S. Wales.
iii	254	<i>Donax pallidus</i> Gould.	Singapore.
iii	255	<i>tinctus</i> Gould.	
iii	255	<i>croceatus</i> Gould.	Mangsi.
iii	255	<i>Lucina ramulosa</i> Gould.	Paumotu Island.
iii	255	<i>inculta</i> Gould.	New Zealand.
iii	256	<i>vesicula</i> Gould.	Tongataboo.
iii	256	<i>lenticula</i> Gould.	Patagonia?
July, 1850.			
iii	276	<i>Cardita procera</i> Gould.	Rio Negro, Patagonia.
iii	276	<i>Cypricardia rosea</i> Gould.	Feejee Islands.
iii	277	<i>Arthemis lambata</i> Gould.	Bay of Islands.
iii	277	<i>Venus toreuma</i> Gould.	Mangsi.
iii	277	<i>calcareo</i> Gould.	New Zealand.
iii	278	<i>Arca sobria</i> Gould.	
Nov. 1850.			
iii	292	<i>Cyclas egregia</i> Gould.	New South Wales?
iii	293	<i>Cyrena debilis</i> Gould.	New Holland?
iii	293	<i>Anodon glauca</i> Gould.	Peru.
iii	295	<i>Unio lutulentus</i> Gould.	New Zealand.
iii	295	<i>profugus</i> Gould.	New South Wales.
iii	295	<i>verecundus</i> Gould.	Manilla.
iii	296	<i>dorsuosus</i> Gould.	Eastern Asia.
iii	309	<i>Avicula vidua</i> Gould.	Feejee Islands.
iii	309	<i>nigra</i> Gould.	Singapore.
iii	309	<i>maculata</i> Gould.	Tutuilla.
iii	309	<i>fucata</i> Gould.	Feejee Islands.
iii	310	<i>lurida</i> Gould.	New Zealand.
iii	310	<i>Auricula glabra</i> Gould.	New Zealand.
iii	310	<i>Crenatula pergaminea</i> Gould.	Feejee Islands.
iii	311	<i>Perna argillacea</i> Gould.	
iii	311	<i>torva</i> Gould.	Sandwich Islands.
iii	311	<i>eremita</i> Gould.	Carishoff Islands.
iii	312	<i>nana</i> Gould.	Feejee Islands.
iii	312	<i>Pinna senticosa</i> Gould.	New Zealand.
Dec. 1850.			
iii	343	<i>Mytilus</i> (Mod.) <i>areolatus</i> Gould.	New Zealand.
iii	343	<i>hepaticus</i> Gould.	Feejee Islands.
iii	344	<i>pyriformis</i> Gould.	South Seas.

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iii	344	<i>Mytilus divaricatus</i> Gould.	China Seas.
iii	344	<i>aligosus</i> Gould.	South Seas.
iii	345	(<i>Modiolarca</i>) <i>pusillus</i> Gould.	Terra del Fuego.
iii	345	<i>Pecten lætus</i> Gould.	New Zealand.
iii	346	<i>Ostrea circumsuta</i> Gould.	Feejee and Samoa Isls.
iii	346	<i>mordax</i> Gould.	Feejee Islands.
iii	346	<i>glomerata</i> Gould.	New Zealand.
iii	347	<i>discoidea</i> Gould.	
iii	347	<i>Terebratula Patagonica</i> Gould.	Patagonia.
iii	348	<i>Maotra debilis</i> Gould.	Singapore.

Oct. 1854.

- v 35 Notes on—
v 35 *Argonauta*.

Sept. 1855.

v	218	Dr. W. Newcomb.	
v	218	<i>Achatinella physa</i> Newc.	Hawaii.
v	218	<i>undulata</i> Newc.	Oahu.
v	219	<i>nigra</i> Newc.	East Maui.
v	219	<i>tetrao</i> Newc.	Ranai.
v	220	<i>succincta</i> Newc.	Oahu.

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- v 369 **Dr. J. C. Warren**, On the animal of the Argonaut Shell.

Sept. 1856.

v	386	Dr. James C. Parkinson.	
v	386	<i>Argonauta Conradi</i> Park.	New Nantucket, Pacific
v	387	<i>fragilis</i> Park.	[Ocean.]

Oct. 1856.

vi	11	Dr. A. A. Gould.	
vi	11	<i>Helix reperculsa</i> Gould.	Tavoy, Merqui.
vi	12	<i>Bulimus lepidus</i> Gould.	Merqui Island.
vi	12	<i>lautus</i> Gould.	Quito.
vi	12	<i>Streptaxis prostata</i> Gould.	Cape Palmas, &c.
vi	13	<i>elisa</i> Gould.	Merqui Archipelago.
vi	13	<i>exacutus</i> Gould.	Burmah.
vi	13	<i>Clausilia vespa</i> Gould.	Tavoy.
vi	14	<i>Cyclostoma pollex</i> Gould.	Tavoy.
vi	14	<i>cuoullata</i> Gould.	Merqui.
vi	15	<i>Teredo thoracites</i> Gould.	Tavoy.

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vi	422	North Pacific Exploring Expedition Shells.	
vi	422	<i>Succinea lauta</i> Gould.	Hakodadi.
vi	422	<i>Vitrina imperator</i> Gould.	Hong Kong.
vi	422	<i>Helix laeta</i> Gould.	Hakodadi.
vi	422	<i>labialis</i> Gould.	Hakodadi.
vi	423	<i>pupula</i> Gould.	Hakodadi.
vi	423	<i>pauper</i> Gould.	Petropaulski, &c.
vi	423	<i>operculina</i> Gould.	Peel Island, Bonin.
vi	423	<i>squarrosa</i> Gould.	Ousima, Japan.
vi	423	<i>Nanina piscolina</i> Gould.	Cape of Good Hope.
vi	424	<i>Corilla pulvinalis</i> Gould.	Hong Kong, &c.
vi	424	<i>Streptaxis sinensis</i> Gould.	Hong Kong, &c.
vi	424	<i>Clausilla præclara</i> Gould.	Loo Choo.
vi	424	<i>Alyœus pilula</i> Gould.	Hong Kong.
vi	425	<i>Cyclotus illotus</i> Gould.	Loo Choo.
vi	425	<i>Cyclostoma barbata</i> Gould.	Ousima.
vi	425	<i>otharella</i> Gould.	Ousima.
vi	425	<i>musiva</i> Gould.	Japan?
vi	425	<i>Japonia</i> Gould (n. s. g.)	
vi	426	<i>Helicina verecunda</i> Gould.	Loo Choo.

June, 1859.

vii	40	<i>Succinea lyrata</i> Gould.	Loo Choo.
vii	40	<i>Auricula</i> (Leuconia) <i>opportuna</i> Gd.	Loo Choo.
vii	40	<i>Omphalotropis strictus</i> Gould.	Loo Choo.
vii	40	<i>Limnæa ollula</i> Gould.	Hong Kong.
vii	40	<i>Ancylus gaulus</i> Gould.	Cape of Good Hope.
vii	40	<i>Planorbis spirillus</i> Gould.	Ousima.
vii	41	<i>Segmentina lucida</i> Gould.	Loo Choo.
vii	41	<i>usta</i> Gould.	Loo Choo.
vii	41	<i>Paludina histrica</i> Gould.	Loo Choo, &c.
vii	41	<i>Bithynia divalis</i> Gould.	Canton.
vii	41	<i>Assimineæ debilis</i> Gould.	Loo Choo.
vii	42	<i>rubida</i> Gould.	Loo Choo.
vii	42	<i>Melania libertina</i> Gould.	Simoda, &c.
vii	42	<i>gracilina</i> Gould.	Tahiti.
vii	42	<i>dolorosa</i> Gould.	Hakodadi.
vii	43	<i>Neritella puella</i> Gould.	Loo Choo.
vii	43	(<i>Clithon</i>) <i>penicillata</i> Gould.	New Ireland.
vii	43	<i>Nerita pica</i> Gould.	Simoda.
vii	43	<i>Natica severa</i> Gould.	Hakodadi.
vii	43	<i>rusa</i> Gould.	Arctic Ocean.
vii	44	<i>puerilis</i> Gould.	Porto Praya.
vii	44	<i>Gena dilecta</i> Gould.	Hakodadi.

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vii	44	<i>Vanikoro scalarina</i> Gould.	Loo Choo.
vii	44	<i>Fossar tornatilis</i> Gould.	Hong Kong.
Oct. 1859.			
vii	138	<i>Paxillus tantillus</i> Gould.	Hong Kong.
vii	138	<i>lyratus</i> Gould.	Loo Choo.
vii	138	<i>Littorina vidua</i> Gould.	Ousima.
vii	138	<i>Bulla vernicosa</i> Gould.	Loo Choo.
vii	138	<i>Alys muscaria</i> Gould.	China Seas.
vii	138	<i>porcellana</i> Gould.	Kagosima Bay.
vii	139	<i>Haminea angusta</i> Gould.	Simoda.
vii	139	<i>Philine vitrea</i> Gould.	Hong Kong.
vii	139	<i>argentata</i> Gould.	Hakodadi.
vii	139	<i>Tornatina apicina</i> Gould.	Sydney Harbor.
vii	139	<i>Cylichna villica</i> Gould.	China Seas.
vii	140	<i>ellipsoidea</i> Gould.	Loo Choo.
vii	140	<i>regularis</i> Gould.	Sydney Harbor.
vii	140	<i>operosa</i> Gould.	Hong Kong.
vii	140	<i>læta</i> Gould.	Kagosima.
vii	140	<i>protracta</i> Gould.	China.
vii	140	<i>tubulosa</i> Gould.	Cape of Good Hope.
vii	140	<i>melampoides</i> Gould.	China Seas.
vii	141	<i>consobrina</i> Gould.	Jesso.
vii	141	<i>Actæon secale</i> Gould.	China Seas.
vii	141	<i>Buccinulus strigosus</i> Gould.	Loo Choo, &c.
vii	141	<i>Liotia solidula</i> Gould.	China.
vii	141	<i>loculosa</i> Gould.	Loo Choo.
vii	142	<i>fulgens</i> Gould.	Cape of Good Hope.
vii	142	<i>asteriscus</i> Gould.	Hong Kong.
vii	142	<i>Cyclostrema modestum</i> Gould.	Hong Kong.
Dec. 1859.			
vii	161	<i>Patella grata</i> Gould.	Nippon.
vii	162	<i>pallida</i> Gould.	Hakodadi.
vii	162	<i>Acmæa dorsuosa</i> Gould.	Hakodadi.
vii	162	<i>Scutellina unguiformis</i> Gould.	Kagosima.
vii	162	<i>scobinata</i> Gould.	Ousima.
vii	162	<i>Emarginula pileata</i> Gould.	Loo Choo.
vii	162	<i>(Glypidina) altilis</i> Gould.	Kagosima.
vii	163	<i>radiata</i> Gould.	Sydney.
vii	163	<i>textilis</i> Gould.	Ousima.
vii	163	<i>Rimula echinata</i> Gould.	Gaspé Straits.
vii	163	<i>Chiton (Lophyrus) lugubris</i> Gould.	
vii	163	<i>(Leptochiton) comptus</i> Gould.	Ousima, &c.
vii	164	<i>Jacobæus</i> Gould.	Simoda.
vii	164	<i>concinus</i> Gould.	Hakodadi.

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vii	164	<i>Chiton (Leptochiton) craticulatus</i> Gld.	China, &c.
vii	164	(<i>Lepidopleura</i>) <i>lepidus</i> Gould.	China.
vii	165	(<i>Chætopleura</i>) <i>plumosus</i> Gld.	
vii	165	(<i>Acanthochætes</i>) <i>achates</i> Gld.	Kikais, &c.
vii	165	(<i>Molpalla</i>) <i>Stimpsoni</i> Gould.	Hakodadi.
vii	165	<i>Dentalium aciculum</i> Gould.	China.
vii	166	<i>hexagonum</i> Gould.	Hong Kong.
vii	166	<i>buccinulum</i> Gould.	Kagosima.
vii	166	<i>intercalatum</i> Gould.	China.
vii	166	<i>strigatum</i> Gould.	Cape of Good Hope.
vii	166	<i>porcatum</i> Gould.	Hong Kong.
vii	166	<i>clavatum</i> Gould.	Hong Kong.

Rafinesque.—On eight Asiatic bivalve fluviatile Shells. In the Appendix to the Continuation of a Monograph, &c. (vide p. 4): by C. S. RAFINESQUE.

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6	<i>Diplasma</i> Raf. (n. g.)	
6	<i>marginata</i> Raf.	Tennessee? Hindostan?
6	<i>similis</i> Raf.	Ganges.
6	<i>vitrea</i> Raf.	River Jellingby.
6	<i>striata</i> Raf.	River Jellingby.
7	<i>Hemisolasma</i> Raf. (n. s. g.)	
7	<i>Unio (Lampsis) fulgens</i> Raf.	Ganges.
7	<i>argyratus</i> Raf.	Ganges.
7	<i>corrugata</i> Auct.	Baramputra.
7	(<i>Obliquaria</i> ? <i>Aximédia</i> ?) Raf.	.
7	<i>Longocilla</i> Raf. (n. g.)	
7	<i>solenoides</i> Raf. (<i>Anodonta</i>).	River Jellingby.
7	<i>Dianisotis</i> Raf. (n. g.)	
7	<i>chinensis</i> Raf.	
	<i>Symphonata bialata</i> Lea.	

Harris.—Account of Pawpaw or Cowry Shells found in Dorchester, in a letter to the Hon. John Davis, Esq.: by Rev. THADDEUS MASON HARRIS, F. A. A. (In Mem. American Academy of Arts and Sciences, vol. iii, pt. 1. Cambridge, 1809, pp. 159, 160.)

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159	<i>Cypræa moneta</i> .	Dorchester?
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Lea.—Observations on the genus *Unio*, &c. &c. (vide p. 433).

[The following are the foreign species.—W. G. B.]

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445	xiv	24	i	59	<i>Symphynota bi-alata</i> Lea. Asia?
456			i	70	<i>cygnea</i> Lea. Europe.
					<i>Mytilus cygneus</i> Linn.
					<i>Anodonta cygneus</i> Lam.
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91	xii	22	i	101	<i>Unio multistriatus</i> Lea. Brazil.
95	xiii	25	i	105	<i>cæruleus</i> Lea. Hoogly r., Hind.
97	xiii	27	i	107	<i>incurvus</i> Lea. Gibraltar.
98	xi	19	i	108	<i>Symphynota bilineata</i> Lea. Hoogly r., Hind.
108	xxi	38	i	118	<i>Unio olivarius</i> Lea. Burril r., India.
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28	i	1	i	140	<i>Nicklinianus</i> Lea. China.
33	iii	6	i	145	<i>Murchisonianus</i> Lea. China.
40	viii	19	i	152	<i>lacteolus</i> Lea. B. de la Plata.
42	v	13	i	154	<i>Symphynota Woodiana</i> Lea. China.
43	v	14	i	155	<i>magnifica</i> Lea. China.
49	xix	56	i	161	<i>Helicina lens</i> Lea. Feejee Islands.
49	xix	57	i	161	<i>pulcherrima</i> Lea. Java (Cuba, it,
50	xix	58	i	162	<i>virginea</i> Lea. Java. [69].
					<i>Hel. striata</i> Lam?
51	xix	59	i	163	<i>Helix muscarum</i> Lea. Society Islands.
51	xix	60	i	163	<i>purpuragula</i> Lea. Java Islands.
52	xix	61	i	164	<i>ovum-reguli</i> Lea. Java Islands.
53	xix	62	i	165	<i>monodonta</i> Lea. Java Islands.
53	xix	63	i	165	<i>cyclostomopsis</i> Lea.
54	xix	64	i	166	<i>mamilla</i> Lea.
54	xix	65	i	166	<i>diaphana</i> Lea.
55	xix	66	i	167	<i>Himalana</i> Lea. Himalaya Mts.
56	xix	67	i	168	<i>vesica</i> Lea.
56	xix	68	i	168	<i>cincta</i> Lea. Java?
57	xix	69	i	169	<i>Woodiana</i> Lea. Canton.
58	xix	70	i	170	<i>globula</i> Lea. Canton.
60	viii	20	i	172	<i>Unio parallelopipedon</i> Lea. River Parana.
62	ix	22	i	174	<i>emarginatus</i> Lea.
62	ix	24	i	176	<i>divaricatus</i> Lea. Egypt.
62	ix	25	i	177	<i>Corrianus</i> Lea. India.
66	ix	26	i	178	<i>Grayanus</i> Lea. China.

[Lea, Observations, &c.]

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Pa.	Pl.	Fig.	V.	Pa.		
67	x	27	i	179	<i>Unio Burroughianus</i> Lea.	River Parana.
75	xi	33	i	187	<i>Symphynota discoidea</i> Lea.	
76	xii	34	i	188	<i>Anodonta latomarginata</i>	River Parana.
77	xii	35	i	189	<i>Blainvilliana</i> Lea. [Lea.	Chili?
78	xii	36	i	190	<i>tenebricosa</i> Lea.	River Parana.
80	xiii	37	i	192	<i>Mortoniana</i> Lea.	River Parana.
81	xix	72	i	193	<i>Melania aculeus</i> Lea.	Java?
81	xix	73	i	193	<i>Lymnæa imperialis</i> Lea.	South America?
82	xix	74	i	194	<i>Melanopsis princeps</i> Lea.	C. of Good Hope.
82	xix	75	i	194	<i>maculata</i> Lea.	Peru.
83	xix	76	i	195	<i>Auricula fuscagula</i> Lea.	Brazil (Cuba, ii,
84	xix	77	i	196	<i>Cyclostoma striata</i> Lea.	Peru. [69].
99	xiv	42	i	311	<i>Unio Paranensis</i> Lea.	River Parana.
105	xvi	49	i	317	<i>Anodonta Burroughiana</i>	Island Luconia.
107	xvii	51	i	219	<i>Cyrena rotundata</i> Lea. [Lea.	
108	xvii	52	i	320	<i>Jayensis</i> Lea.	Batavia?
109	xviii	53	i	321	<i>turgida</i> Lea.	India.
110	xviii	55	i	322	<i>Woodiana</i> Lea.	Canton.
111	xviii		i	323	<i>Aprodite</i> Lea. (n. g.)	
111	xviii	54	i	323	<i>columba</i> Lea.	
113	xix	80	i	325	<i>Paludina Burroughiana</i> Lea.	Island Luconia.
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3	ii	3	ii	3	<i>Unio Bengalensis</i> Lea.	Bengal.
16	xxiii	77	ii	16	<i>Ampullaria Pealiana</i> Lea.	Turbaco, Colum.
19	vi	16	ii	19	<i>Unio lamellatus</i> Lea.	Bengal. [bia.
20	xxiii	95	ii	20	<i>Melania plicata</i> Lea.	Bengal?
21			ii	21	<i>Megaspira</i> Lea. (n. g.)	
21	xxiii	101	ii	21	<i>Ruschenbergiana</i> Lea.	Brazil?
65	xxiii	100	ii	65	<i>Bulimus lacteus</i> Lea.	Magdalena riv.
65	xxiii	105	ii	65	<i>Pealians</i> Lea.	Angostura, Col.
66	xxiii	110	ii	66	<i>Columbianus</i> Lea.	Magdalena riv.
66	xxiii	111	ii	66	<i>corneus</i> Lea.	Buena Vista, Col- lumbia.
68	xxiii	87	ii	68	<i>Cyclostoma maculata</i> Lea.	Manilla.
74	xviii	57	ii	74	<i>Unio discus</i> Lea.	India.
75	xviii	58	ii	75	<i>contradens</i> Lea.	
81	xxii	68	ii	81	<i>Anodonta exilis</i> Lea.	
82	xxii	70	ii	82	<i>Iridina ocellata</i> Lea.	Africa.
83	xxiii	92	ii	83	<i>Bulimus glandiformis</i> Lea.	New Grenada.
84	xxiii	96	ii	84	<i>parvus</i> Lea.	Carthagera.
84	xxiii	97	ii	84	<i>virgo</i> Lea.	Carthagera.
85	xxiii	99	ii	85	<i>Gibbonius</i> Lea.	New Grenada.

[Lea, Observations, &c.]

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Pa.	Pl.	Fig.	V.	Pa.	
85	xxiii	102	ii	85	<i>Bulimus gracilis</i> Lea. Carthagera.
86	xxiii	108	ii	86	<i>decoratus</i> Lea. Carthagera.
86	xxiii	112	ii	86	<i>maculatus</i> Lea. Carthagera.
89	xxiii	88	ii	89	<i>Helix magnifica</i> Lea. New Grenada.
90	xxiii	78	ii	90	<i>Paludina sinistrorsa</i> Lea. India.
94	xxiii	76	ii	94	<i>Cyclostoma Popayana</i> Lea. New Grenada.
98	xxiii	73	ii	98	<i>Carocolla Hydiana</i> Lea. Porto Cabello.
108	xxiv	116	ii	108	<i>Unio Brownianus</i> Lea. River Amazon.
121			ii	121	Synopsis of the family of Naiades.
141			ii	141	<i>Platiris</i> Lea (n. g.)
141			ii	141	<i>Spatha</i> Lea (n. s. g.)

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455					Description of nineteen new species of Colimacea.
455	xi	1			<i>Bulimus subglobosus</i> Lea. Philippine Islds.
455	xi	2			<i>virido-striatus</i> Lea. Philippine Islds.
456	xi	3			<i>virginicus</i> Lea. Philippine Islds.
457	xi	4			<i>Liberianus</i> Lea. Liberia.
457	xi	5			<i>Woodianus</i> Lea. Philippine Islds.
458	xi	6			<i>gracilis</i> Lea. Philippine Islds.
458	xi	7			<i>carinatus</i> Lea. Philippine Islds.
459	xi	8			<i>bicoloratus</i> Lea. Philippine Islds.
459	xii	9			<i>Helix Blandingianus</i> Lea. Liberia.
460	xii	10			<i>Balestieriana</i> Lea. Philippine Islds.
461	xii	11			<i>Lamarckiana</i> Lea. Philippine Islds.
461	xii	12			<i>Cuvieriana</i> Lea. Philippine Islds.
462	xii	13			<i>luteo-fasciata</i> Lea. Philippine Islds.
462	xii	14			<i>cepoides</i> Lea. Philippine Islds.
463	xii	15			<i>Blainvilliana</i> Lea. Philippine Islds.
463	xii	16			<i>Humphreysiana</i> Lea. Pondicherry, Singapore.
464	xii	17			<i>ferruginea</i> Lea. Philippine Islds.
465	xii	18			<i>Carocolla bifasciata</i> Lea. Philippine Islds.
465	xii	19			<i>Cyclostoma Woodiana</i> Lea. Philippine Islds.

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192	vii	2	iii	30	<i>Unio cucumoides</i> Lea. Hunter's r., N. S.
218	xvii	35	iii	55	<i>delphinus</i> Lea. N. Holland? [W.
220	xviii	37	iii	56	<i>Javanus</i> Lea. Java.
221	xviii	38	iii	58	<i>orientalis</i> Lea. [ana Lea. Java?
222	xviii	39	iii	59	<i>Margaritana Vondenbuschi</i> Java?

[Lea, Observations, &c.]

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Pa.	Pl.	Fig.	V.	Pa.	
239	xxiii	53	iii	77	<i>Unio Rajahensis</i> Lea. Calcutta.
240	xxiii	55	iii	78	<i>Anodonta Montezuma</i> Lea. Central America.
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2			iv	2	<i>Bulimus Jayanus</i> Lea. Java?
2			iv	2	<i>Achatina turbinata</i> Lea. Liberia.
3			iv	3	<i>striata</i> Lea. Liberia.
3			iv	3	<i>Succinea gracilis</i> Lea. Java?
5			iv	5	<i>Candeana</i> Lea. Martinique.
5			iv	5	<i>fulgens</i> Lea. Cuba.
12			iv	12	<i>Lymnæa rubella</i> Lea. Oahu.
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281	xlvi	11	iv	39	<i>Unio superbus</i> Lea. New Holland.
282	xlvi	12	iv	50	<i>aratus</i> Lea.

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282	xxiv	41	v	38	<i>Ingallsianus</i> Lea. Siam.
288	xxvi	48	v	43	<i>Anodonta Trautrimiana</i> Lea. Carthagera.
288	xxvi	49	v	43	<i>Wheatleyi</i> Lea. Para, S. A.
291	xxviii	54	v	47	<i>tortilis</i> Lea. Carthagera.
292	xxiv	55	v	48	<i>Schröteriana</i> Lea. Rio Negro, Br.
295			v	51	<i>Basistoma</i> Lea (n. g.)
296	xxx	1	v	52	<i>Edwardi</i> Lea. Teootinus r., S.A.

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289	xxi	1	vi	9	<i>Unio Hainesianus</i> Lea. Siam.
290	xxii	2	vi	10	<i>Myersianus</i> Lea. Siam.
291	xxiii	3	vi	11	<i>Houseti</i> Lea. Siam.
291	xxiv	4	vi	11	<i>lutens</i> Lea. Newville, Bur- [mah.]
					<i>U. lutens</i> Lea.
292	xxiv	5	vi	12	<i>gravidus</i> Lea. Siam.
293	xxiv	6	vi	13	<i>inornatus</i> Lea. Siam.
294	xxv	7	vi	14	<i>rusticus</i> Lea. Siam.
294	xxv	8	vi	14	<i>eximius</i> Lea. Siam.
295	xxv	9	vi	15	<i>tumidulus</i> Lea. Siam.
296	xxvi	10	vi	16	<i>humilis</i> Lea. Siam.

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297	xxvi	11	vi	17	Unio phaselus Lea. Siam.
298	xxvi	12	vi	18	sagittarius Lea. Siam.
299	xxvi	13	vi	19	scobinatus Lea. Siam.
300	xxvi	14	vi	20	substriatus Lea. Siam.
300	xxvii	15	vi	20	Africanus Lea. C. of Good Hope.
301	xxvii	16	vi	21	Verreauxianus Lea. C. of Good Hope.
302	xxvii	17	vi	22	Shurtleffianus Lea. Sina river, India.
303	xxviii	18	vi	23	effulgens Lea. Brazil.
304	xxviii	19	vi	24	Shuttleworthii Lea. Australia.
305	xxviii	20	vi	25	Dunkerianus Lea. Rio de Janeiro.
306	xxviii	21	vi	26	nucleus Lea. Siam.
307	xxix	22	vi	27	Brownii Lea. Mocha?
308	xxix	23	vi	28	Wheatleyanus Lea. R. Negro, Plata.
309	xxix	24	vi	29	Suavidicus Lea. River Amazon.
310	xxx	25	vi	30	Nuttallianus Lea. India.
312	xxx	27	vi	32	Newcombianus Lea. Nicaragua.
313	xxx	28	vi	33	Cambodiensis Lea. Taekrong river.
316	xxxii	31	vi	36	Anodonta Holtonis Lea. Carthage, New
317			vi	37	Plagiodon Lea (n. s. g.) [Grenada.
318	xxxii	32	vi	38	isocardioides Lea. River Plata.
319	xxxiii	33	vi	39	Triquetra contorta Lea. China.
					<i>T. lanceolata</i> Lea.

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- i 53 **Pisidium diaphanum** Hald. Brazil?

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- iii 66 **Phillips**.—Description of a new Fresh Water Shell,
and observations on *Glandina obtusa* Pfr.: by JOHN
S. PHILLIPS.
- iii 66 i 11 **Physa princeps** Phil. Yucatan.
- iii 66 i 33 **Glandina (Achatina) oylin-**
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iv 121 **Conrad.**—(Vide p. 373.)

iv 121 **Triton nobilis** *Conr.* West Indies.
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v 10 **Conrad.**—Descriptions of new species of Fresh Water
 Shells: by T. A. CONRAD. (Vide, also, p. 374.)

v 10 **Unio cultelliformis** *Conr.* Bogan river, Australia.
 v 10 **Napeanensis** *Conr.* Napean riv., Australia.
 v 10 **Balonnensis** *Conr.* Balonne r., Australia.
 v 10 **Paludina sublineata** *Conr.* Darling r., Australia.
 v 11 **Physa pectorosa** *Conr.* Bogan river, Australia.
 v 11 **Australiana** *Conr.* Bogan river, Australia.
 v 11 **Melania tetrica** *Conr.* Rivers of Australia.
 v 11 **Balonnensis** *Conr.* Balonne r., Australia.
 v 11 **Lymnea perlevis** *Conr.* Salamanca and Balonne rs., Australia.

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v 277 **I. Lea.**—Notices on—v 277 **Mulleria Ferussacii** *Lea.* New Granada.

v 277 **Guaduasana** *D'Orb.* New Granada.
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vi 54 **I. Lea.**—Description of a new species of Symphynote
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vi 54 **Unio Cumingii** *Lea.* North of China.

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vi 267 **Conrad.**—(Vide p. 382.)

[Several foreign genera and sub-genera of Unionidae are given.—
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vi 376 **I. Lea.**—Notes on—

vi 376 **Unio Kraussi** *Lea.*
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 vi 376 **Dipsas plicatus** *Lea.* Liberia.
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 vi 376 **Unio superbus** *Lea.* Dannu-Luar river.
U. macropterus *Dunk.*
 vi 377 **cucumoides** *Lea.* Sumatra.
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- vi 448 **T. A. Conrad.**—Synopsis of *Cassidula*, &c. (vide p. 383).
- vi 448 ***Cassidula hippocastanum*.** Samar.
Murex hippocastanum Born.
Buccinum calcaratum Sol.
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- vi 448 **melongena.** West Indies.
Murex melongena Linn.
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- vi 448 **bispinosa** Conr.
Pyrula bispinosa Phil.
- vi 449 **patula** Conr. Caraccas Bay.
- vi 449 **? parasidiaca.**
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- vi 449 **T. A. Conrad.**

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- vii 1 **I. Lea.**—Note on—

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- vii 32 **Conrad.**—(Vide p. 384.)

- vii 32 ***Bulimus lineolatus*** Conr. Volcano of Cartago,
Costa Rica.

June, 1855.

- vii 375 **Stimpson.**—Descriptions of some of the new Marine Invertebrata from the Chinese and Japanese Seas, &c.: by WILLIAM STIMPSON, Zoologist to the United States Surveying Expedition to North Pacific, Japan Seas, &c., Lieut. John Rodgers, Commander.
- vii 377 ***Ascidia tubifera*** St. China.
- vii 377 **calcata** St. Japan.
- vii 377 ***Schizascus*** St. (n. g.)
- vii 377 **pellucidus** St. China.
- vii 377 **papillosus** St. China.
- vii 377 ***Molgula labeculifera*** St. China.

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vii	379	<i>Hemidoris St. (n. g.)</i>	
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vii	380	<i>latens St.</i>	Loo Choo.
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vii	387	<i>Cynthia angularis St.</i>	C. of Good Hope, Simon's Bay.
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viii 110

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Bithinia Siamensis Lea. Takrong river, Siam.

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viii 110

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viii 110

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fraterna Lea.

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viii 144

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viii 144

Ningpoensis Lea. Ningpo, China.

viii 145

Myersiana Lea. Feejee Islands.

viii 145

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viii 145

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viii 145

affinis Lea. Manilla.

viii 145

australis Lea. Manilla.

viii 145

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viii 300

Isaac Lea.—Notes on—

viii 300

Triquetra contorta Lea. Shanghai.**T. lanceolata Lea.**

New Series, March, 1857.

Page.

85 **Lea.**—Descriptions, &c., vide p. 387.85 **Anodonta Holtonis Lea.**

Papayan, South America.

[Proceedings Academy of Natural Sc.]

May, 1858.

Page.

- 118 **Lea.**—Description of four new Fresh Water Mollusca from the Isthmus of Darien and Honduras : by ISAAC LEA.

118	Unio Caldwellii <i>Lea.</i>	Isthmus of Darien.
118	Goascoranensis <i>Lea.</i>	Riv. Goascoran, Honduras.
118	Anodonta luteola <i>Lea.</i>	Isthmus of Darien.
118	Melania planensis <i>Lea.</i>	Plan, &c., Honduras.

May, 1859.

- 151 **Lea.**—Descriptions of twenty-one new species of Exotic Unionidæ : by ISAAC LEA.

151	Unio Sikkimensis <i>Lea.</i>	Sikkim, India.
151	diminutis <i>Lea.</i>	East Africa.
152	plicatulus <i>Lea.</i>	Borneo.
152	navigioliformis <i>Lea.</i>	
152	fuotiger <i>Lea.</i>	
152	mutabilis <i>Lea.</i>	Australia, &c.
152	Thwaitesii <i>Lea.</i>	Ceylon.
152	melleus <i>Lea.</i>	
152	Dysoni <i>Lea.</i>	Honduras.
152	Demararaensis <i>Lea.</i>	Demarara.
152	Mauritianus <i>Lea.</i>	Mauritius.
153	vittatus <i>Lea.</i>	Australia.
153	Shanghaiensis <i>Lea.</i>	Shanghai.
153	Layardii <i>Lea.</i>	Ceylon.
153	Japanensis <i>Lea.</i>	Japan.
153	Sumatrensis <i>Lea.</i>	Sumatra.
153	Rowellii <i>Lea.</i>	Chagres riv., N. Granada.
153	Wilsoni <i>Lea.</i>	Isaac's Plain, N. S. W.
154	Anodonta Dahomeyensis <i>Lea.</i>	Dahomey.
154	Senegalensis <i>Lea.</i>	Senegal.

July, 1859.

- 187 **Lea.**—Descriptions of four new species of Exotic Unionidæ : by ISAAC LEA.

187	Unio bulloides <i>Lea.</i>	R. de la Plata.
187	Monochondylæa planulata <i>Lea.</i>	Java.
187	rhomboidea <i>Lea.</i>	Euphrates, near Bagdad.
187	Unio rudus <i>Lea.</i>	R. de la Plata.

Oct. 1859.

- 281 **Lea.**—Description of a new species of Unio from the Isthmus of Darien : by ISAAC LEA.

281	Unio Averyi <i>Lea.</i>	Isthmus of Darien.
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[Proceedings Academy of Natural Sc.]

Dec. 1839.

Page.

331 **Lea.**—Descriptions of three new species of Exotic Uniones: by
ISAAC LEA.

331	Unio Wynegungaensis Lea.	Bengal, &c.
331	consobrinus Lea.	China.
331	Nangpoorensis Lea.	Nangpoor, &c.

Lesueur, Conrad, &c.—Journal of the Academy of
Natural Sciences of Philadelphia.*

Vol. 4, pt. 1, No. 1. May, 1817.

Pa. Pl. Fig.

3 **Lesueur.**—Description of six new species of the genus
Firola, observed by Messrs. Lesueur and Peron in the
Mediterranean Sea, in the months of March and April,
1809: by C. A. LESUEUR. (Vide also, Bull. Sc. Soc.
Philom. 1817, pp. 157-160; and Isis, 1818, p. 155.)

3	Genus Firola .	
6 i	1	Firola mutica Les.
6 i	2	gibbosa Les.
7 i	3	Forskalia Les.
7 i	4	Cuviera Per. & Les.
7 i	5	Frederica Les.
7 i	6	Peronia Les.

Vol. 1, pt. 1, No. 3. July, 1817.

37 **Lesueur.**—Characters of a new genus, and descriptions
of three new species upon which it is formed: discovered
in the Atlantic Ocean, in the months of March and April,
1816. Lat. 20° 9': by C. A. LESUEUR.

38	Firaloida Les. (n. g.)		
39 ii	1 ^b	Desmarestia Les.	* Near Martinique.
39 ii	2 ^a	Blainvilliana Les.	Near Martinique.
40 ii	3	aculeata Les.	
40 ii	4, 10	Anatomy of Firola .	

Vol. 41, pt. 1. 1821.

Lesueur.—(See p. 6.)

[The following foreign species are also given.—W. G. B.] :—

89	Leachia (n. g.)	
90 vi	Leachia cyclura Les.	Pacific Ocean.

* The date of actual publication of each page is given on p. 58, vol. 1, of Proc. A. N. S.

[Journal of the Academy.]

Pa.	Pl.	Fig.		
90	vii		Loligo Bartrami Les.	
95	?		Bartlingii Les.	Gulf Stream.
100			Sepiola cardioptera Peron.	Lat. 31° S., long. 48° E.
100			Sepia sepiola Peron.	Endrach, N. Holland.
101			<i>octopa</i> Peron = Peronii Les.	Dorre, Shark Bay.
101			<i>rugosa</i> Peron non Bosc. = Sepia Boscii Les.	
101			varietas Peron.	Dorre Island.

Vol. II, pt. 2. 1822.

296 **Lesueur.**—On the *Onykia angulata*: by C. A. LESUEUR.

298 ? 1, 2 **Onykia angulata** Les. Lat. 36° 40' S., long. [29° E.
 (See also p. 100 of same vol.)

Vol. III, pt. 1. 1823.

2 **Lesueur.**—Descriptions of several new species of
Ascidia: by C. A. LESUEUR. (See also *Philosp. Mag.*,
 vol. 63, 1824, p. 321; and *Isis*, 1834, p. 160.)

2	i	2	Ascidia atra Les.	St. Vincent's, &c.
2	i	1	cavernosa Les.	St. Bartholomew.
3	ii	1	albeola Les.	Guadaloupe.
4	ii	2, 3, 4	multiformis Les.	Guadaloupe.
4	ii	5	variabilis Les.	St. Thomas.
5	i	3	claviformis Les.	St. Vincent's.
5	iii	b	plicata Les.	Ship Bottom.
6	iii	a	ovalis Les.	Ship Bottom.
7			lobifera Les.	

[Here follows a list, without descriptions of species, observed by
 Peron and Lesueur in their voyage to Terra Australis.—W. G. B.]

8		marginella.	New Holland, &c.
8		vermiculata.	New Holland.
8		anatifoidea.	Isle of France.
8		confederata.	New Holland.
8		trinema.	Leuwin's Land.
8		fragum.	Elephant Bay, &c.
8		truncata.	Bass' Straits.
8		rapuliformis.	Endracht's Land.
8		gigantea.	Bourgainville Bay.
8		lithopoda.	Décres Island.
8		rhinophora.	Endracht's Land.
8		rosea.	Bourgainville Bay.
8		alba.	Bourgainville Bay.
8		barbata.	Nice, Europe.
8		pilosa.	Isle of France.

[Journal of the Academy.]

Pa.	Pl.	Fig.		
8			<i>Ascidia fasciata.</i>	Isle of France.
8			<i>radiata.</i>	Havre, Europe.
8			<i>diaphana.</i>	King's Island.
8			<i>phyllostoma.</i>	King's Island, &c.
8			<i>tetradon.</i>	Josephine's Island, &c.
8			<i>peniformis.</i>	Nuyt's Land.
8			<i>australis.</i>	Maria's Island.
8			<i>lithoidea.</i>	Leuwin's Land.
8			<i>nigrita.</i>	Edel's Land.
8			<i>rhizophora.</i>	Napoleon's Land.
8			<i>anthropocephala.</i>	St. Francis' Land, &c.
8			<i>nasuta.</i>	N.W. Coast of N. Hol'd.
8			<i>democratica.</i>	St. Francis' Land, &c.
8			<i>verrucosa.</i>	King's Island.
8			<i>polystoma.</i>	King's Island.

Vol. vi, pt. 2. March, 1831.

256 **Conrad.**—(Vide p. 337.)262 xi 21 *Nucula recurva* *Conr.* West Indies.262 xi 9, 10 *Lucina sphæroides* *Conr.* Liberia.
Tellina divaricata Ch.

Vol. vii, pt. 1. 1834.

178 **Conrad.**—Description of a new genus of Fresh Water
Shells: by T. A. CONRAD.180 xiii *Pleiodon Macmurtrei* *Conr.* Liberia.182 **Conrad.**—Description of a new species of Hinnita: by
T. A. CONRAD.182 xiv *Hinnita Poulsoni* *Conr.*

Vol. vii, pt. 2. 1837.

227 **Conrad.**—(Vide p. 419.)

Conrad.—Notes on Shells, with descriptions of new genera and species: by T. A. CONRAD. (From Journ. Ac. Nat. Sc. Phila., n. s., vol. i, No. 3, p. 210. Aug. 1849.) (Vide also, p. 404.)

[The foreign species only are here given.—W. G. B.]

Page.

210 *Cassia cornuta* Linn. East Indies.
Buccinum brevirostrum Petiver.
Cassia Amboinensis Petiver.

Page.		
210	Cassis labiata Chemn.	Indies.
211	tuberosa Linn.	
	<i>Cochlea cassidiformis</i> Gualt.	
	<i>Cassis flammea</i> .	
211	Triton tuberosus.	
211	pyriformis.	
212	variegatus Lam.	East Indies.
	<i>Buccinum tritonis</i> Petiver.	
	<i>Murex tritonis</i> Linn.	
212	nobilis Conr.	West Indies.
	<i>T. variegatus</i> Rve.	
212	variegatus.	West Indies.
213	Nautilus perforatus Conr.	
214	Pecten fragosus Conr. (pl. xxxix, f. 11).	West Indies.

Garratt.—(Descriptions of Hawaiian Shells.) In Proc. California Acad. Nat. Sciences, San Francisco. Vol. i, part 2. March, 1857, p. 102.

Page.		Page.	
102	Murex exigua Garr.	103	Rissoa multicostrata Garr.
102	Purpura striatella Garr.	103	Adeorbis costata Garr.
102	Turbo multilineata Garr.	103	Hipponix (Amalthea) minor Garr.
102	Trochus striatula (Margarita) Garr.	103	Bulla scripta Garr.
102	Pleurotoma (Mangella) reticulata Garr.	103	Succinea Newcombiana Garr.
102	Rissoa crassilabrum Garr.		

Barnes, Redfield, Adams, &c.—Annals of the Lyceum of Natural History of New York.

Vol. 1, pt. 1. 1824.

Pl.	Fig.	
131		Barnes. —Notice of several species of Shells: by D. H. BARNES.

[A criticism by Ferussac on this paper in which the descriptions are repeated will be found in the Bulletin des Sciences Naturelles et de Géologie, 2ème section du Bulletin Universel des Sciences, &c. &c. Tome v, p. 282. Paris, 1825.—W. G. B.]

132	ix	1	Cypræa maculata Barnes.	East Indies.
			<i>C. Arabica</i> Burrow.	

[Annals of New York Lyceum.]

Pa.	Pl.	Fig.		
133	ix	2	<i>Cypræa eburnea</i> Barnes.	China
135	ix	3	<i>Dolium dentatum</i> Barnes.	Peru.
136			<i>Natica patula</i> Sowb.	Peru.
			<i>N. helicoides</i> Barnes, MS.	
139	ix	4	<i>Voluta harpa</i> Barnes.	Peru.

Vol. 1, pt. 2. 1825.

383 (Continuation.)

384 *Dolium dentatum* Barnes = *D. ringens*?385 *Natica helicoides* (vid. also Ann. vol. ii. 292).385 *Cypræa maculata*.[Plate ix contains also figures of two species not mentioned in the text. They are probably *Cerithium* — *f*—W. G. B.]

Vol. iv, pt. 5. 1846.

163 **Redfield**.—Descriptions of some new species of Shells:
by JOHN H. REDFIELD. (See also, p. 164 of Bibl.)

163	x	4 ^{a, b}	<i>Marginella flavida</i> Redf.	Cuba, &c.
164	x	5 ^{a, b}	<i>obesa</i> Redf.	Carthagera, S. Amer.
166	x	6 ^{a, b}	<i>Ranella Thersites</i> Redf.	Pacific?
168	xi	1 ^{a, b, c}	<i>Cardium setosum</i> Redf.	China.

169 **Jay**.—Descriptions of new species of Shells: by JOHN C. JAY, M. D.

169	x	7 ^{a, b}	<i>Bulimus infundibuliformis</i> Jay.	Bolivia.
169	x	8 ^{a, b}	<i>Conus Cailliaudii</i> Jay.	

170 Notes on—

170			<i>Bulimus cinctus</i> Jay = <i>B. Favarii</i> Lam. Madagascar.	
170			<i>Turbo rotelliformis</i> Jay = <i>Trochiscus Norrisii</i> Sowb.	
170			<i>Ampullaria Brownii</i> Jay = <i>A. crassa</i> Swains.	
170			<i>Storeria</i> Jay = <i>A. naticoides</i> D'Orb.	
170			<i>Helix planorbis</i> Jay = <i>H. monilis</i> Br.	
170			<i>Physa scalaris</i> Jay.	
170			<i>Lymnea gracilis</i> Jay.	
170			<i>Bulimus ustulatus</i> Jay = <i>B. chrysallidiformis</i> Sowb.	
170			<i>Paludina tristis</i> Jay = <i>P. olivacea</i> Sowb.	
170			<i>Conus rhododendron</i> Couth. = <i>C. Adamsoni</i> Gr.	
170			<i>Cyclostoma Cumingii</i> Sowb. = <i>C. gigantea</i> Sowb.	
170			<i>Voluta armata</i> ? Lam. = <i>V. Miltoni</i> Gr.	

[Annals of New York Lyceum.]

Vol. IV. 1847.

Pa. Pl. Fig.

- 477 **Redfield.**—On the distinctive characters of *Cypræa reticulata* of Martyn, and *Cypræa histrio* of Meuschen: by JOHN H. REDFIELD.
- 482 xvi 1 **Cypræa reticulata** Mart. Pacific Ocean. ..
 C. arlequina (var.) Chemn.
 histrio (pars) Gmel.
 arabica (var.) *histrio* Gr.
 maculata Barnes, &c. &c.
- 484 xvi 2 *histrio* Meuschen. Indian Ocean?
 C. arlequina Ch.
 arabica (var.) *histrio* (pars) Gray.
- 491 **Redfield.**—Descriptions of new species of *Bullia* and *Marginella*, with notes upon G. B. Sowerby, Jr.'s monograph of the latter genus: by JOHN H. REDFIELD.
- 491 xxii 1 **Bullia plicata** Redf.?
- 492 xxii 2 **Marginella chrysomelina** Red. West Indies?
- 492 xxii 3 **Philippinarum** Redf. Philippine Islands.
 M. arena Sowb. non Kien.
- 493 **cœrulescens** Lam.
- 493 **Storeria** Couth.
- 493 **unicolor** List.
- 493 **curta** Sowb.
- 493 **elegans** Gmel.
- 493 **undulata** Ch.
- 493 **conoidalis** Kien.
- 493 **apicina** Mke.
- 493 **flavida** Redf.
- 493 **triticea** Lam.
- 493 **guttata** Swains.
- 493 **longivaricosa** Lam.
- 493 **maculosa** Kien.
- 493 **obesa** Redf.
 M. similis Sowb.
- 493 **pyrulata** Redf.
 M. obesa Sowb.
- 495 **persicula** Linn.
- 495 **carnea** Storer.
- 495 **guttata** Dillw.
- 495 **avellana** Lam.
- 495 **lineata** Lam.
- 495 **cingulata** Dillw.

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Vol. v, title page. 1832.

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- 41 8 125 **Adams.**—Descriptions of new species of *Partula*
and *Achatinella*: by Prof. C. B. ADAMS.

[As this and the following papers were also issued as portions
of "Contributions to Conchology," I refer to that work as well
as to the New York Annals.—W. G. B.]

- 41 8 125 *Partula diminuta* Ad.
41 8 125 *Achatinella magna* Ad.
42 8 126 *Tappaniana* Ad. Sandwich Islands.
42 8 126 *Dimondi* Ad. Sandwich Islands.
43 8 127 var. ? *lata* Ad. Sandwich Islands.
43 8 127 *decepta* Ad.
44 8 128 *modesta* Ad. Sandwich Islands.
44 8 128 *Reevei* Ad.
A. viridans Reeve. not Mighels.
- 45 8 129 **Adams.**—Descriptions of new species and varieties
of Shells which inhabit Jamaica: by Prof. C. B.
ADAMS. (From same, p. 45.)
- 45 8 129 *Cyclostoma pulchrius* Ad. = *C. Binneyanum* Pfr.
45 8 129 *Cylindrella nobilior* (Pupa) Ad. = *C. Bin-*
neyana Pfr.
45 8 129 *Helix arboreoides* Ad. = *H. Haldemaniana* Pfr.
46 8 130 *Marginella gracilis* Ad.
46 8 130 *Buccinum pulchellum* Ad.
47 8 131 *Pleurotoma albella* Ad.
47 8 131 *Valvata inconspicua* Ad.
47 8 131 *Planorbis humilis* Ad.
48 8 132 *dentiferus* Ad.
48 8 132 var. *edentatus* Ad.
48 8 132 *Ancylus obliquus* Ad.
48 8 132 *Truncatella modesta* Ad.
49 8 133 *Helicina nobilis* Ad.
49 8 133 *hirsuta* Ad.
50 8 134 *palliata* Ad.
50 8 134 *maxima* Ad.
50 8 134 *ampliata* Ad.
50 8 134 *consanguinea* Ad.
51 8 135 *microstoma* Ad.
52 8 136 *depressa* Ad.
52 8 136 *Trochatella Josephinae* Ad.
52 8 136 *Tankervillei* Ad.

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|----|---|-----|---|
| 53 | 8 | 137 | Cyclostoma sagittiferum <i>Ad.</i> |
| 54 | 8 | 138 | <i>lamellosum</i> <i>Ad.</i> |
| 54 | 8 | 138 | <i>simulans</i> <i>Ad.</i> |
| 55 | 8 | 139 | <i>tenuistriatum</i> <i>Ad.</i> |
| 55 | 8 | 139 | <i>modestum</i> <i>Ad.</i> |
| 55 | 8 | 139 | <i>fimbriatulum</i> <i>Ad.</i> |
| 56 | 8 | 140 | <i>lincina</i> <i>Ad.</i> |
| 56 | 8 | 140 | <i>nodulosum</i> <i>Ad.</i> |
| 56 | 8 | 140 | <i>granosum</i> <i>Ad.</i> |
| 56 | 8 | 140 | Adams. —Analysis of the group of species of <i>Cyclostoma</i> , which is represented by <i>C. Jamaicense</i> <i>Chem.</i>
(From same.) |
| 59 | 8 | 143 | Cyclostoma corrugatum ? <i>Sowb.</i> |
| 59 | 8 | 143 | <i>jugosum</i> <i>Ad.</i> |
| 59 | 8 | 143 | <i>pallescens</i> <i>Ad.</i> |
| 59 | 8 | 143 | <i>varians</i> <i>Ad.</i> |
| 59 | 8 | 143 | <i>seminudum</i> <i>Ad.</i> |
| 59 | 8 | 143 | <i>Jamaicense</i> <i>Chem.</i> |
| 59 | 8 | 143 | <i>crassum</i> <i>Ad.</i> |
| 64 | 8 | 148 | Stoastoma <i>Ad.</i> |
| 64 | 8 | 148 | Cyclostoma succineum <i>Sowb.</i> |
| 64 | 8 | 148 | Stoastoma Vilkinsoniæ <i>Ad.</i> |
| 65 | 8 | 149 | <i>Tappanianum</i> <i>Ad.</i> |
| 65 | 8 | 149 | <i>Hollandianum</i> <i>Ad.</i> |
| 66 | 8 | 150 | <i>Moricandianum</i> <i>Ad.</i> |
| 67 | 8 | 151 | <i>Petitianum</i> <i>Ad.</i> |
| 67 | 8 | 151 | <i>Anthonianum</i> <i>Ad.</i> |
| 77 | 9 | 153 | Adams. —Descriptions of new species and varieties of the Land Shells of Jamaica, with notes on some previously described species : by Prof. C. B. ADAMS.
(From same.) |
| 77 | 9 | 153 | Cyclostoma Hillianum (var.) <i>leporilabre</i> <i>Ad.</i> |
| 77 | 9 | 153 | <i>Cyclostoma spinulosum</i> <i>Ad.</i> = <i>C. lincinellum</i> <i>Lam.</i> |
| 77 | 9 | 153 | Cyclostoma Moussonianum <i>Ad.</i> |
| 78 | 9 | 154 | <i>Cyclostoma amandum</i> <i>Ad.</i> = <i>C. scabriculum</i> <i>Sowb.</i> |
| 78 | 9 | 154 | <i>Cyclostoma virgineum</i> <i>Ad.</i> = <i>C. pisum</i> <i>Ad.</i> |
| 78 | 9 | 154 | <i>Cyclostoma concentricum</i> <i>Ad.</i> = <i>C. variabile</i> <i>Ad.</i> |
| 78 | 9 | 154 | <i>Cyclostoma mutatum</i> <i>Ad.</i> = <i>C. articulatum</i> <i>Sowb.</i> |
| 78 | 9 | 154 | Cyclostoma filiosum <i>Sowb.</i> = <i>C. articulatum</i> <i>Gray.</i> |
| 78 | 9 | 154 | <i>Campbelli</i> <i>Ad.</i> |

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79 9 155

Cyclostoma xanthostoma *Ad.*

79 9 155

ignilabre *Ad.*

79 9 155

Cyclostoma prorum *Ad.* = *C. fascia* *Gray.*

79 9 155

Cyclostoma nitens *Ad.*

79 9 155

Augustæ *Ad.*

79 9 155

Jayanum *Ad.*

79 9 155

Augustæ *Ad.*

79 9 155

Chevallieri *Ad.*

80 9 156

album (var.) *fuscum* *Ad.*

80 9 156

Yallahense *Ad.*

80 9 156

sericinum *Ad.*

81 9 157

Tappanianum *Ad.*

81 9 157

papyraceum *Ad.*

81 9 157

perpallidum *Ad.*

81 9 157

dubiosum *Ad.*

82 9 158

Stoastoma Philipplanum *Ad.*

82 9 158

Agassizianum *Ad.*

83 9 159

Trochatella pulchella *Ad.*

83 9 159

Helicina neritella *Ad.*

83 9 159

Geomelania Hilliana *Ad.*

83 9 159

pyramidata *Ad.*

84 9 160

costulosa *Ad.*

84 9 160

exilis *Ad.*

84 9 160

Hilliana *Ad.*

84 9 160

striosa *Ad.*

84 9 160

conica *Ad.*

84 9 160

Cylindrella Agnesiana (var.) *diminuta* *Ad.*

84 9 160

Roberti *Ad.*

85 9 161

rosea *Ad.*

85 9 161

var. *fortis* *Ad.*

85 9 161

major *Ad.*

85 9 161

zonata *Ad.*

85 9 161

lata *Ad.*

85 9 161

Maugeri *Ad.*

86 9 162

var. *nigrescens* *Ad.*

86 9 162

solida *Ad.*

86 9 162

levis *Ad.*

87 9 163

tricolor *Ad.*

87 9 163

crassa *Ad.*

87 9 163

unicincta *Ad.*

88 9 164

bicincta *Ad.*

88 9 164

concinna *Ad.*

88 9 164

sinuata *Ad.*

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88	9	164	Cylindrella Maugeri (var.) rufilabris Ad.
88	9	164	<i>citrina Ad.</i>
88	9	164	<i>fusiformis Ad.</i>
89	9	165	<i>albida Ad.</i>
89	9	165	<i>valida Ad.</i>
89	9	165	<i>unicolor Ad.</i>
89	9	165	<i>striatula Ad.</i>
89	9	165	<i>striata Ad.</i>
89	9	165	<i>corpulenta Ad.</i>
89	9	165	<i>fusca Ad.</i>
90	9	166	<i>conica Ad.</i>
90	9	166	<i>tesselata Ad.</i>
90	9	166	<i>cinerea Ad.</i>
90	9	166	<i>gracilis Ad.</i>
90	9	166	<i>integra Ad.</i>
91	9	167	<i>princeps Ad.</i>
91	9	167	<i>elatior Ad.</i>
91	9	167	<i>Achatina striosa Ad.</i> = Bulimus octonoides Ad.
91	9	167	Achatina proxima Ad.
92	9	168	<i>solitaria Ad.</i>
92	9	168	Spiraxis brevis Ad.
92	9	168	<i>aberrans Ad.</i>
92	9	168	<i>Bulimus mirabilis Ad.</i> and <i>anomalus</i> = Spiraxis.
92	9	168	Bulimus hortensis Ad.
93	9	169	<i>macrospira Ad.</i>
93	9	169	Helix Chittyana Ad.
93	9	169	<i>cara Ad.</i>
93	9	169	<i>amabilis Ad.</i>
93	9	169	<i>Swainsoniana Ad.</i>
94	9	170	<i>ingens Ad.</i>
94	9	170	<i>consanguinea Ad.</i>
95	9	171	<i>anomala Ad.</i>
95	9	171	<i>Bainbridgei Ad.</i>
95	9	171	<i>Buddiana Ad.</i>
96	9	172	<i>Blandiana Ad.</i>
96	9	172	<i>pulchrior Ad.</i>
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97	9	173	<i>spreti Ad.</i>
97	9	173	<i>var. errans Ad.</i>
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98	9	174	<i>delaminata Ad.</i>
98	9	174	<i>osculans.</i>
98	9	174	Proserpina nitida Ad.

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98 9 174 **Adams.**—Descriptions of new Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS. (From same.)



98 9 174 **Physa Jamaicensis** Ad.

99 9 175 **Neritina Jamaicensis** Ad.

99 9 175 **tenebricosa** Ad.

100 9 176 **Adams and Chitty.**—Remarks on the habitats of certain species of Land Shells: by Prof. C. B. ADAMS and EDWARD CHITTY. (From same.)

100 9 176 **Cyclostoma labeo** Ad.

100 9 176 **asperulum** Sowb.

100 9 176 **corrugatum** Ad.

100 9 176 **Trochatella Greyana** Pfr.

100 9 176 **Helicina Gossel** Pfr.

100 9 176 **picta** Fer.

100 9 176 **Cylindrella alabastrina** Pfr.

100 9 176 **Humboldtiana** Pfr.

100 9 176 **variegata** Pfr.

100 9 176 **Bulimus rufescens** Gray.

100 9 176 **Helix Martiniana** Pfr.

100 9 176 **Okeniana** Pfr.

101 9 177 **angustata** Fer.

101 9 177 **Cyclostoma lincinellum** Lam.

101 9 177 **spinulosum** Ad.

101 9 177 **Banksianum** Sowb.

101 9 177 **hyacinthinum** Ad.

101 9 177 **mirabile** Wood.

101 9 177 **decussatulum** Ad.

101 9 177 **Cylindrella brevis** Pfr.

101 9 177 **Achatina leucozonias** Ad.

101 9 177 **Dominicensis** Ad.

101 9 177 **venusta** Ad.

101 9 177 **unicolor** Pfr.

101 9 177 **Cyclostoma Newcombianum** Ad.

101 9 177 **aurora** Ad.

101 9 177 **Tappanianum** Ad.

(Errata to No. 8.)

102 9 178 **asperulum** Ad.

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103	9	179	fimbriatulum <i>Sowb.</i>
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103	9	179	Chittyi <i>Ad.</i>
103	9	179	amabile <i>Ad.</i>
103	9	179	Hillianum <i>Ad.</i>
103	9	179	var. aculeosum <i>Ad.</i>
103	9	179	leporilabre <i>Ad.</i>
103	9	179	lincolnellum <i>Lam.</i>
			<i>C. spinulosum?</i> <i>Ad.</i>
103	9	179	Moussonianum <i>Ad.</i>
103	9	179	scabriculum <i>Sowb.</i>
			<i>C. amundum</i> <i>Ad.</i>
103	9	179	lincolnium <i>Linn.</i>
103	9	179	lima <i>Ad.</i>
103	9	179	Blandianum <i>Ad.</i>
103	9	179	retrosum <i>Ad.</i>
103	9	179	pisum <i>Ad.</i>
			<i>C. virgineum</i> <i>Ad.</i>
103	9	179	variabile <i>Ad.</i>
103	9	179	var. concentricum <i>Ad.</i>
103	9	179	intermedium <i>Ad.</i>
103	9	179	Grayanum <i>Ad.</i>
			<i>C. obscurum</i> <i>Gray.</i>
103	9	179	serriferum <i>Ad.</i>
103	9	179	granosum <i>Ad.</i>
			<i>C. nodulosum</i> <i>Ad.</i>
103	9	179	var. aberrans <i>Ad.</i>
103	9	179	pulchrius <i>Ad.</i>
			<i>C. Binneyanum</i> <i>Pfr.</i>
103	9	179	mutatum <i>Ad.</i>
			<i>C. articulatum</i> <i>Sowb.</i>
103	9	179	mirabile <i>Wood.</i>
			<i>C. decussatulum?</i> <i>Ad.</i>
103	9	179	mirandum <i>Ad.</i>
103	9	179	moribundum <i>Ad.</i>
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104	9	180	var. albilabre Ad.
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104	9	180	Jayanum Ad.
			<i>C. solidum</i> Ad. non Mke.
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			<i>C. pictum</i> Sowb.
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			<i>C. ambiguum</i> Deless. Chenu, non Lam.
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104	9	180	virgatum Ad.
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104	9	180	var. fuscum Ad.
104	9	180	Bronni Ad.
104	9	180	var. fuscolineatum Ad.
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104	9	180	var. hyacinthinum Ad.
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106	9	182	<i>elongata</i> <i>Chemn.</i>
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106	9	182	variegata (var. γ) <i>Pfr.</i>
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108	9	184	<i>fallax</i> ? <i>Say.</i>
108	9	184	<i>lata</i> <i>Ad.</i>
108	9	184	<i>contracta</i> ? <i>Say.</i>
108	9	184	<i>tenuidens</i> <i>Ad.</i>
108	9	184	<i>hexodon</i> <i>Ad.</i>
108	9	184	<i>servilis</i> <i>Gould.</i>
108	9	184	<i>Jamaicensis</i> <i>Ad.</i>
108	9	184	<i>striatella</i> ? <i>Pfr.</i>
108	9	184	Succinea angustior <i>Ad.</i>
108	9	184	<i>Sagra</i> ? <i>D'Orb.</i>
108	9	184	<i>latior</i> <i>Ad.</i>
108	9	184	<i>contorta</i> <i>Ad.</i>
108	9	184	Helix Martiniana <i>Pfr.</i>
108	9	184	<i>peracutissima</i> <i>Ad.</i>
108	9	184	<i>soror</i> <i>Fer.</i>
108	9	184	<i>cara</i> <i>Ad.</i>
108	9	184	var. <i>media</i> <i>Ad.</i>
108	9	184	<i>amabilis</i> <i>Ad.</i>
109	9	185	Chittyana <i>Ad.</i>
109	9	185	<i>patina</i> <i>Ad.</i>
109	9	185	var. <i>nobilis</i> <i>Ad.</i>
109	9	185	<i>ingens</i> <i>Ad.</i>
109	9	185	var. <i>imperforata</i> <i>Ad.</i>
109	9	185	<i>indigna</i> <i>Ad.</i>
109	9	185	<i>acuta</i> <i>Lam.</i>
109	9	185	var. <i>acutissima</i> <i>Lam.</i>
109	9	185	<i>fuscolabris</i> <i>Ad.</i>
109	9	185	<i>lucerna</i> <i>Mull.</i>
109	9	185	<i>fortis</i> <i>Ad.</i>
109	9	185	Okeniana <i>Pfr.</i>

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Page.	No.	Page.	
109	9	185	Helix Swainsoniana Ad.
109	9	185	tridentina Fer.
109	9	185	Bronni Pfr.
109	9	185	valida Ad.
109	9	185	consanguinea Ad.
109	9	185	var. imperforata Ad.
109	9	185	carinata Ad.
109	9	185	picturata Ad.
109	9	185	invalida Ad.
109	9	185	sinuata Müll.
109	9	185	var. propenuda Ad.
109	9	185	candescens Ad.
109	9	185	strangulata Ad.
109	9	185	anomala Pfr.
109	9	185	var. pallescens Ad.
109	9	185	convexa Ad.
109	9	185	Bainbridgei Pfr.
109	9	185	var. pretiosa Ad.
109	9	185	Spengleriana Pfr.
109	9	185	Redfieldiana Ad.
109	9	185	aspera Fer.
109	9	185	Jamaicensis Chemn.
			<i>H. pulla</i> Gmel.
109	9	185	angustata Fer.
109	9	185	Cubensis (var. 3) Pfr.
109	9	185	tunicata Ad.
109	9	185	Buddiana Ad.
109	9	185	MacMurrayi Ad.
109	9	185	munda Ad.
109	9	185	columellata Ad.
109	9	185	tenerrima Ad.
109	9	185	graminicola Ad.
109	9	185	nemoraloides Ad.
109	9	185	pulchrior Ad.
109	9	185	Gossei Pfr.
109	9	185	Blandiana Ad.
109	9	185	subconica Ad.
109	9	185	fuscocincta Ad.
109	9	185	virginea Ad.
109	9	185	Jacobensis Ad.
109	9	185	fuscula Ad.
109	9	185	immunda Ad.

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Page.	No.	Page.	
109	9	185	Helix rufula Pfr.
109	9	185	ptychodes Pfr.
109	9	185	alveus Ad.
109	9	185	perdepressa Ad.
109	9	185	brevior Ad.
			<i>H. depressa</i> Ad.
109	9	185	sincera Ad.
109	9	185	diminuta Ad.
109	9	185	apex Ad.
109	9	185	inconspicua Ad.
109	9	185	peraffinis Ad.
109	9	185	Boothiana Pfr.
			<i>H. pellucida</i> Ad.
109	9	185	spreta Ad.
109	9	185	var. errans .
109	9	185	turbiniformis Pfr.
			<i>H. subpyramidalis</i> Ad.
109	9	185	Anthoniana Ad.
110	9	186	angustispira Ad.
110	9	186	brevis Ad.
110	9	186	Hollandi Ad.
110	9	186	similis Ad.
110	9	186	arboreoides Ad.
			<i>H. Hübneriana</i> Pfr.
110	9	186	ambigua Ad.
110	9	186	osculans Ad.
110	9	186	va delaminata Ad.
110	9	186	lamellifera Ad.
110	9	186	pila Ad.
110	9	186	Foremaniana Ad.
110	9	186	Cookiana Gmel.
110	9	186	epistylioides Fer.
110	9	186	alligans Ad.
110	9	186	epistylum Müll.
110	9	186	var. minor Ad.
110	9	186	delaminata Ad.
110	9	186	torrefacta Ad.
110	9	186	connectens Ad.
110	9	186	epistyliulum Ad.
110	9	186	simulans Ad.
110	9	186	dioscoricola Ad.
110	9	186	paludosa Pfr.

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Page.	No.	Page.	
110	9	186	<i>Proserpina discoidea</i> Ad.
110	9	186	<i>opalina</i> (Helix) Ad.
110	9	186	<i>nitida</i> Sowb.
110	9	186	var. <i>planulata</i> Ad.
110	9	186	<i>pulchra</i> Ad.
110	9	186	<i>bidentata</i> Ad.
110	9	186	<i>pisum</i> Ad.
110	9	186	<i>Melampus coniformis</i> Brug.
110	9	186	<i>flavus</i> Gmel.
			<i>Auricula monile</i> Lam.
110	9	186	<i>pusillus</i> Gmel.
			<i>Auricula nitens</i> Lam.
110	9	186	<i>coronatus</i> Ad.
110	9	186	<i>cingulatus</i> Pfr.
110	9	186	<i>Pedipes quadridens</i> Pfr.
110	9	186	<i>ovalis</i> Ad.
111	9	187	Adams.—Catalogue of the Fresh Water Shells which inhabit Jamaica. (From same.)
111	9	187	<i>Neritina punctulata</i> Lam.
111	9	187	<i>Jamaicensis</i> Ad.
111	9	187	<i>tenebricosa</i> Ad.
111	9	187	<i>Melanopsis lineolata</i> Gray.
111	9	187	<i>Melania spinifera</i> Ad.
111	9	187	<i>Valvata pygmæa</i> Ad.
111	9	187	<i>inconspicua</i> Ad.
111	9	187	<i>Paludina rivularis</i> Ad.
111	9	187	<i>Jamaicensis</i> Ad.
111	9	187	<i>Ampullaria fasciata</i> ? Lam.
111	9	187	<i>Planorbis MacNabianus</i> Ad.
111	9	187	<i>Redfieldi</i> Ad.
111	9	187	<i>Haldemani</i> Ad.
111	9	187	<i>dentiferus</i> Ad.
111	9	187	var. <i>edentatus</i> Ad.
111	9	187	<i>pallidus</i> Ad.
111	9	187	<i>decepiens</i> Ad.
111	9	187	<i>affinis</i> Ad.
111	9	187	<i>humilis</i> Ad.
111	9	187	<i>Ancylus obscurus</i> ? Hald.
111	9	187	<i>obliquus</i> Ad.
111	9	187	<i>Physa Sowerbyana</i> ? D'Orb.
111	9	187	<i>Jamaicensis</i> Ad.

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- 111 9 187 *Limnæa umbilicata* Ad.
 111 9 187 *Cyclas pygmæa* Ad.
 111 9 187 *Veatleyi* Ad.

Page.

224

Redfield.—Descriptions of new species of *Marginella*
 and *Cypræa*: by JOHN H. REDFIELD.

224

Marginella vexillum Redf. Cape Palmas.

225

amabilis Redf. Yucatan.

M. carnea Sowb. not Storer.

226

antiqua Redf. Va. fossil.

226

Gabiensis Redf. = *M. amygdala* Kien.

226

vermiculata Redf. = *M. quinqueplicata* Lam.

227

Hainesii Pet. = *M. quinqueplicata* Lam.

227

pudica Gaskoin = *M. chrysomelina*.

227

Delessertiana Recl. = *albolineata* D'Orb.?

227

Cypræa reticulata.

227

histrion.

229

Adams.—Catalogue of Shells collected at Panama,
 with notes, &c.: by C. B. ADAMS.

[Also published separately, 1862. I have given the pages of
 the Annals as well as of the separate work.—W. G. B.]

Family Cypræidæ.

ANN. P. S.

Pa. Pa.

- 253 29 *Ovula avena* Sowb.
 254 30 *emarginata* Sowb.
 255 31 *neglecta* Ad.
 255 31 *variabilis* Ad.
 256 32 ———.
 256 32 *Cypræa arabicula* Lam.
 257 33 *cervinetta* Kien.
 C. exanthema (var.)
 Gray.
 cervus (var.) Rve.
 259 35 *punctulata* Gray.
 259 35 *pustulata* Lam.
 Trivia pustulata Gray.

ANN. P. S.

Pa. Pa.

- 261 37 *Cypræa radians* Lam.
 Trivia radians Gray.
 C. oniscus Wood.
 262 38 *rubescens* Gray.
 262 38 *sanguinea* Gray
 (*Trivia*).
 263 39 *Erato scabriuscula* Gr.
 Marginella cypræola
 Sowb.
 Marginella granum Kien.
 264 40 *Marginella minor* Ad.
 264 40 *sapotilla* Hinds.

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Family Mitridæ.

Ann.	P. S.		Ann.	P. S.	
Pa.	Pa.		Pa.	Pa.	
266	42	<i>Mitra funiculata</i> Rve.	267	43	<i>Mitra nucleola</i> Lam.
266	42	<i>lens</i> Wood (<i>Voluta</i>).	268	44	<i>solitaria</i> Ad.
		<i>Tiara foraminata</i> Sw.	268	44	<i>tristis</i> Brod.
		<i>Mitra Dupontii</i> Kien.			

Family Purpuridæ.

269	45	<i>Terebra elata</i> Hinds.	283	59	<i>Nassa canescens</i> Ad.
269	45	<i>larvæformis</i> Hinds.	283	59	<i>collaria</i> Ad.
270	46	<i>robusta</i> Hinds.	284	60	<i>corpulenta</i> Ad.
270	46	<i>specillata</i> Hinds.	285	61	<i>gemmulosa</i> Ad.
271	47	<i>tuberculosa</i> Hinds.	285	61	<i>glauca</i> Ad.
271	48	<i>varicosa</i> Hinds.	286	62	<i>luteostoma</i> Ad.
271	48	—?			<i>N. xanthostoma</i> Gray.
271	48	—?			<i>Buccinum luteostoma</i>
271	48	—?			Br. & Sowb.
271	48	—?	287	63	<i>nodifera</i> Powis.
271	48	—?	287	63	<i>pagodus</i> (Triton) Rve.
272	48	<i>Oliva angulata</i> Lam.			<i>Buccinum decussatum</i>
		<i>Voluta oliva</i> (var. ♂)			Kien.
		Gmel.	288	64	<i>Panamensis</i> Ad.
		<i>incrassata</i> Dillw.	288	64	<i>proxima</i> Ad.
273	49	<i>araneosa</i> Lam.	289	65	<i>scabriuscula</i> Powis?
		<i>O. reticularis</i> Rve.	289	65	<i>striata</i> Ad.
274	50	<i>inconspicua</i> Ad.	290	66	<i>versicolor</i> Ad.
275	51	<i>pellucida</i> Rve.	291	67	<i>Wilsoni</i> Ad.
275	51	<i>porphyria</i> Linn. (Vol.)	291	67	<i>Buccinum crassum</i> Hd.
		<i>O. Panamaensis</i> Montf.			<i>Phos crassus</i> Hinds.
277	53	<i>semistriata</i> Gray.	292	68	<i>distortum</i> Bligh.
278	54	<i>testacea</i> Lam.			<i>Polia distorta</i> Gray.
279	55	<i>undatella</i> Lam.			<i>Columbella triumphalis</i>
		<i>O. tenebrosa</i> Wood.	293	68	<i>insigne</i> Rve. [Duch.
280	56	<i>venulata</i> Lam. [Rve.			<i>B. mutabile</i> Val.
		<i>O. reticularis</i> (var.)	293	69	<i>lugubre</i> Ad.
		<i>Voluta ispidula</i>	294	70	<i>pagodus</i> Rve.
		(♂ var.) Born.	294	70	<i>pristis</i> Desh.
281	57	<i>volutella</i> Lam.			<i>B. serratum</i> Kien.
		<i>O. carulea</i> Wood.	295	71	<i>ringens</i> Rve.
282	58	<i>Planaxis planicostata</i>	296	72	<i>sanguinolentum</i> Mks.
		Sowb.			<i>B. hamastoma</i> Rve.
		<i>P. canaliculata</i> Duval			<i>Polia hamastoma</i> Gr.
		<i>Buccinum planaxis</i>			<i>Purpura sanguinolenta</i>
		Wood.			Duch.

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Ann.	P. S.		Ann.	P. S.	
Pa.	Pa.		Pa.	Pa.	
		<i>B. Janelii</i> Val.	306	82	<i>Columbella atramentaria</i> Sowb.
296	72	<i>Buccinum Stimpsonianum</i> Ad.	306	82	<i>bicanalifera</i> Sowb.
297	73	<i>Dolium ringens</i> Rve.	307	83	<i>Bolvinii</i> Kien.
		<i>D. dentatum</i> Barnes.	307	83	<i>conspicua</i> Ad.
		<i>personatum</i> Mke.	308	84	<i>costellata</i> Br. & Sowb.
		<i>Cassis ringens</i> Swains.	309	85	<i>diminuta</i> Ad.
		<i>Buccinum ringens</i> Wd.	309	85	<i>dorsata</i> Sowb.
		<i>Malea latilabris</i> Val.	310	86	<i>fluotuada</i> Sowb.
		<i>crassilabris</i> Val.			<i>C. suturalis</i> Griff.
		<i>Dolium latilabre</i> Kien.	311	87	<i>fulva</i> Sowb.
		<i>plicosum</i> Mke.	311	87	<i>fuscata</i> Sowb.
		<i>crassilabre</i> Mke.			<i>C. meleagris</i> Kien.
298	74	<i>Monoceros brevidentatum</i> Sowb.	312	88	<i>gibberula</i> Sowb.
		<i>Buccinum brevidentatum</i> Wood.	313	89	<i>gracilis</i> Ad.
		<i>Purpura cornigera</i> Bl.	313	89	<i>guttata</i> Sowb.
		<i>ocellata</i> Kien.			<i>C. cribraria</i> Sowb.
		<i>maculata</i> Gmel.	315	91	<i>hæmastoma</i> Sowb.
299	75	<i>cingulatum</i> Lam.	315	91	<i>harpiformis</i> Sowb.
		<i>Buccinum cingulatum</i>			<i>C. citharula</i> Ducl.
		Wood.	316	92	<i>labiosa</i> Sowb.
		<i>pseudodon</i> Burr.	317	93	<i>lyrata</i> Sowb.
		<i>Turbinella cingulata</i>	317	93	<i>major</i> Sowb.
		Kien.			<i>C. gibbosa</i> Val.
300	76	<i>Purpura Carolensis</i>	318	94	<i>strombiformis</i> Kiën.
300	76	<i>foveolata</i> Ad. [Rve.			<i>modesta</i> Gould.
301	77	<i>kiosquiformis</i> Ducl.	318	94	<i>Buccinum modestum</i>
302	78	— (sp. ined.)	319	95	<i>modesta</i> Ad. [Powis.
302	78	<i>melo</i> Desh.	320	96	<i>nigricans</i> Sowb.
		<i>P. crassa</i> Blainv.	320	96	<i>parva</i> Sowb.
		<i>melones</i> Ducl.	320	96	<i>pulchrior</i> Ad.
303	79	<i>osculans</i> Ad.	321	97	<i>pygmæa</i> Sowb.
303	79	<i>tecta</i> Rve.	321	97	<i>rugosa</i> Sowb.
		<i>P. angulifera</i> Ducl.			<i>C. Sowerbyi</i> Ducl.
		<i>callosa</i> Sowb.			<i>bicolor</i> Kien.
		<i>Buccinum tectum</i> Wd.	322	98	<i>strombiformis</i> Lam.
		<i>Cuma sulcata</i> Swains.			<i>Buccinum strombiforme</i> Wood.
		<i>Turbinella callosa</i>	323	99	<i>tesselata</i> Ad.
		<i>tectum</i> Rve. [Less.	323	99	<i>turrita</i> Sowb.
304	80	<i>undata</i> Lam.	324	100	<i>varia</i> Sowb.
		<i>P. hæmastoma</i> Mke.	325	101	— (sp. ined.) [Rve.
			325	101	<i>Ricinula carbonaria</i> ?

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ANN. P. S.

Pa. Pa.

- 325 101 *Ricinus jugosa* Ad.
 326 102 *Reeviana* Ad. [Rve.
Buccinum pulchrum
 326 102 *Cassia abbreviata* Bl.
C. lactea Kien.

ANN. P. S.

Pa. Pa.

- 327 103 *Cassia coarctata* Sowb.
Buccinum coarctatum
Wood. [Rve.
 328 104 *Oniscia tuberculosa*

Family Strombidae.

- 328 104 *Conus brunneus* Wood.
 329 105 *gladiator* Brod.
 329 105 *mahogani* Rve.
 330 106 *nux* Brod.
 330 106 *princeps* Linn.
C. regius Chemn.
(Conch. Cab. La Robe
Persienne Favanne.)
C. lineolatus Val.
 332 108 *Conus purpurascens*
Brod.
 333 109 *regalitalis* Sowb.
 334 110 *regularis* Sowb.
 334 110 *vittatus* Lam.
 335 111 *Strombus galea* Wood.
S. galeatus Gray.
 336 112 *gracillior* Sowb.
 337 113 *granulatus* Swains.
 338 114 *Peruvianus* Swains.

Family Muricidae.

- 339 115 *Triton Chemnitzii* Rve.
T. perforatus Conr.
Cassidaria setosa Hds.
Triton nodosum Mke.
Argo-buccinum nodo-
sum Chemn.
Murex argus (var. *β*,
pars) Gmel.
Fusus Wiegmanni Ant.
 340 116 *constrictus* Brod.
T. decussatum Val.
 340 116 *fusoides* Ad.
 340 116 *gibbosus* Brod.
 341 117 *lignarius* Brod.
 342 118 *vestitus* Hinds.
 342 118 *Ranella coelata* Brod.
R. semigranosa Kien.
 343 119 *nana* Brod.
 344 120 *nitida* Brod.
 344 120 *pilcata* Rve.
 345 121 *Murex dubius* Sowb.
M. aculeatus Wood.
 345 121 *erosus* Brod.
 346 122 *Murex radix* Schröt.
M. melanomathos Dill.
 347 123 *rectirostris* Sowb.
 348 124 *recurvirostris* Brod.
 348 124 *regius* Swains.
M. tricolor Val.
 349 125 *salebrosus* King.
M. vitulinus Gray.
 350 126 *vibex* Brod.
 351 127 *vittatus* Brod.
 351 127 *Pyrula patula* Brod.
Cyrtulus patula Hinds.
 352 128 *Ficula ventricosa*
Chenu.
F. decussata Rve.
Pyrula ventricosa Sb.
Bulla decussata Wood.
 353 129 *Fusus bellus* Ad.
 353 129 *Fasciolaria granosa* Br.
 354 130 *Turbinella caestus* Br.
 355 131 *castanea* Gray.
T. acuminata Rve.
 355 131 *cerata* Rve.

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ANN. P. S.

Pa. Pa.

- Murex ceratus* Wood.
 356 132 *Turbinella rudis* Rve.
 356 132 *spadicea* Rve.
 356 132 *Cancellaria affinis* Ad.
 357 133 *clavatula* Sowb.
 358 134 *decussata* Sowb.
 358 134 *goniostoma* Sowb.
 359 135 *mitriformis* Sowb.
 C. uniplicata Sowb.
 359 135 *pulchra* Sowb.
 360 136 *pygmæa* Ad.
 361 137 *solida* Sowb.
 361 137 *tesselata* Sowb.
 362 138 *Pleurotoma aterrima*
 362 138 *atrior* Ad. [Sowb.
 363 139 *bicanalifera* Sowb.
 363 139 *collaris* Sowb.
 364 140 *concinna* Ad.
 364 140 *corrugata* Sowb.
 P. turricula Sowb.
 Sowerbyi Rve.
 365 141 *discors* Sowb.
 365 141 *duplicata* Sowb.
 366 142 *excentrica* ? Sowb.
 366 142 *exigua* Ad.
 367 143 *gemmulosa* Ad.
 367 143 *grandimaculata* Ad.
 368 144 *incrassata* Sowb.
 P. Bottæ Kien.
 368 144 *nigerrima* Sowb.
 P. cornuta Sowb.
 369 145 *obeliscus* Rve.
 369 145 *olivaces* Sowb.
 370 146 *pallida* Sowb.
 370 146 *rigida* Hinds.

ANN. P. S.

Pa. Pa.

- Clavatula rigida*
 [Hinds.
 370 146 *Pleurotoma rudis* Sty.
 371 147 *rustica* Sowb.
 P. thiarella Kien.
 371 147 *striosa* Ad.
 372 148 *zonulata* Rve.
 P. cincta Sowb.
 372 148 ——— (a).
 372 148 ——— (b).
 372 148 *Mangelia* ——— (c).
 373 149 ——— (d).
 373 149 ——— (e).
 373 149 ——— (f).
 373 149 *neglecta* Ad.
 373 149 *sulcosa* ? Sowb.
 Columbella sulcosa Sb.
 374 150 *Cerithium adustum* Kn.
 374 150 *assimilatum* Ad.
 375 151 *bimarginatum* Ad.
 376 152 *famelicum* Ad.
 376 152 *gemmatum*.
 377 153 *interruptum*.
 377 153 ——— (sp. ind.)
 378 154 *irroratum* Gould.
 378 154 *neglectum* Ad.
 379 155 *Pacificum* Sowb.
 C. Humboldti Val.
 379 155 *pauperculum* Ad.
 380 156 *pulchrum* Ad.
 380 156 *Reevianum* Ad.
 381 157 *validum* Ad. [Ad.
 382 158 *Triphoris alternatus*
 383 159 *inconspicuous* Ad.
 383 159 *infrequens* Ad.

Family Littorinidæ.

- 384 160 *Turritella Banksii* Rve.
 385 161 *Cœcum diminutum* Ad.
 385 161 *eburneum* Ad.
 385 161 *firmatum* Ad.
 386 162 *læve* Ad.
 386 162 *laqueatum* Ad.
 386 162 *Cœcum monstrosus*
 387 163 *parvum* Ad. [Ad.
 387 163 *pygmæum* Ad.
 388 164 *Chemnitzia aculeus*
 388 164 *acuminata* Ad. [Ad.
 389 165 *affinis* Ad.

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Ann. P. S.	Pa.	Pa.	Ann. P. S.	Pa.	Pa.
389	165	<i>Chemnitzia clathrata</i> <i>Ad.</i>	397	173	<i>Littorina? foveata</i> <i>Ad.</i>
390	166	<i>communis</i> <i>Ad.</i>	398	174	<i>? megasoma</i> <i>Ad.</i>
391	167	<i>gracillior</i> <i>Ad.</i>	398	174	<i>? parvula</i> <i>Phil</i>
391	167	<i>major</i> <i>Ad.</i>	399	175	<i>pulchra</i> <i>Sowb.</i>
391	167	<i>marginata</i> <i>Ad.</i>			<i>Turbo pulcher</i> <i>Swains.</i>
392	168	<i>Panamensis</i> <i>Ad.</i>	400	176	<i>puncticulata</i> <i>Phil.</i>
392	168	<i>similis</i> <i>Ad.</i>	400	176	<i>varia</i> <i>Sowb.</i>
393	169	<i>striosa</i> <i>Ad.</i>	401	177	<i>Rissoa clandestina</i> <i>Ad.</i>
393	169	<i>turrita</i> <i>Ad.</i>	401	177	<i>firmata</i> <i>Ad.</i>
394	170	<i>Littorina? anglostoma</i>	402	178	<i>fortis</i> <i>Ad.</i>
394	170	<i>aspera</i> <i>Phil.</i> [<i>Ad.</i>	402	178	<i>? inconspicua</i> <i>Ad.</i>
395	171	<i>atrata</i> <i>Ad.</i>	403	179	<i>infrequens</i> <i>Ad.</i>
396	172	<i>conspersa</i> <i>Ad.</i>	403	179	<i>Janus</i> <i>Ad.</i>
396	172	<i>? excavata</i> <i>Ad.</i>	404	180	<i>notabilis</i> <i>Ad.</i>
397	173	<i>fasciata</i> <i>Gray.</i>	404	180	<i>scalariformis</i> <i>Ad.</i>
			405	181	—— (sp. ind.)

Family Trochidae.

405	181	<i>Cingula? inconspicua</i>	414	190	<i>Trochus catenulatus</i>
405	181	<i>paupercula</i> <i>Ad.</i> [<i>Ad.</i>			<i>Phil.</i>
406	182	<i>? terebellum</i> <i>Ad.</i>	415	191	<i>coronulatus</i> <i>Ad.</i>
406	182	<i>? turrita</i> <i>Ad.</i>	415	191	<i>Leanus</i> <i>Ad.</i>
407	183	<i>Litiopa? saxicola</i> <i>Ad.</i>	416	192	<i>lima</i> <i>Phil.</i>
407	183	<i>Adeorbis? abjecta</i> <i>Ad.</i>	416	192	<i>lividus</i> <i>Phil</i>
408	184	<i>Vitrinella concinna</i> <i>Ad.</i>	417	193	<i>Panamensis</i> <i>Phil.</i>
408	184	<i>exigua</i> <i>Ad.</i>	417	193	<i>pellis-serpentis</i> <i>Wd.</i>
409	185	<i>Janus</i> <i>Ad.</i>			<i>Turbo pellis-serpentis</i>
410	186	<i>minuta</i> <i>Ad.</i>			<i>Val.</i>
410	186	<i>modesta</i> <i>Ad.</i>	418	194	<i>reticulatus</i> <i>Wood.</i>
410	186	<i>Panamensis</i> <i>Ad.</i>	419	195	<i>Turbo Buschii</i> <i>Phil.</i>
411	187	<i>parva</i> <i>Ad.</i>			<i>Trochus Buschii</i> <i>Phil.</i>
411	187	<i>perparva</i> <i>Ad.</i>			<i>inermis</i> <i>Kien.</i>
412	188	<i>regularis</i> <i>Ad.</i>	419	195	<i>? phasianella</i> <i>Ad.</i>
412	188	<i>seminuda</i> <i>Ad.</i>	420	196	<i>rutilus</i> <i>Ad.</i>
413	189	<i>tricarinata</i> <i>Ad.</i>	420	196	<i>saxosus</i> <i>Wood</i>
413	189	<i>valvatoides</i> <i>Ad.</i>	421	197	<i>Scalardia hexagona</i>
414	190	<i>Solarium</i> (sp. ind. a.)	422	198	<i>obtusa</i> <i>Sowb.</i> [<i>Sowb.</i>
414	190	—— (sp. ind. b.)	422	198	—— (sp. ind. a.)
414	190	—— (sp. ind. c.)	422	198	—— (sp. ind. b.)
			422	198	—— (sp. ind. c.)

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Family **Eulimidae.**

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422 198 **Eulima** *iota* Ad.423 199 *recta* Ad.

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423 199 **Eulima** *solitaria* Ad.Family **Tornatellidae.**424 200 **Pyramidella** (sp. ind.) | 424 200 **Pyramidella** *conica* Ad.Family **Neritidae.**425 201 **Natica** *Chemnitzii* Ad.425 201 *lurida*? Phil.425 201 *otis* Br. & Sowb.426 202 **Salangonensis** Recl.?426 202 **Souleyetiana** Recl.?427 203 *virginea* Recl.?

427 203 — (sp. ind. a.)

427 203 — (sp. ind. b.)

428 204 — (sp. ind. c.)

428 204 **Nerita** *scabricosta*

Lam.

N. ornata Sowb.*Deshayesii* Recl.*multiingis* Mke.

429 205 — (sp. ind. a.)

430 206 **Neritina** *Guayaquil-**lensis* Sowb.430 206 *picta* Sowb.Family **Auriculidae.**431 207 **Pedipes** *angulata* Ad.432 208 *acuta* D'Orb.*Murinula* Recluziana432 208 *concinna* Ad. [Cum.433 209 *infrequens* Ad.433 209 *Panamensis* Ad.434 210 **Pedipes** *stagnalis* D'Or.*A. papillifera* Kien.435 211 **Tabogensis** Ad.436 212 *trilineata* Ad.

436 212 — (sp. ind.)

Family **Cyclostomidae.**437 213 **Truncatella** *Bairdiana*
Ad.437 213 **Truncatella**? *dubiosa*
Ad.Family **Bullidae.**438 214 **Bulla** (*Tornatina*) *in-*
frequens Ad.439 215 (*Cyllichna*) *luticola*
Ad.439 215 **Bulla** *punctulata* Sowb.
B. punctata Ad.

439 215 — (sp. ind.)

Family **Vermetidae.**440 216 **Vermetus** *glomera-*
tus? Rousseau.*Serpula* *glomerata*

(var. b., alt. excl.)

Lam.

V. centriquadrus Val.?440 216 **Vermetus** *Panamensis*
Rousseau.

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Family **Haliotidae**.

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440 216 *Stomatella inflata* Ad.

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Pa. Pa.

Family **Calyptreidae**.

- | | | | |
|---------|---------------------------------------|---------|--|
| 441 217 | <i>Hipponix</i> (sp. ind.) | 449 225 | <i>Crepidula cerithiicola</i> |
| 441 217 | <i>barbata</i> ? Sowb. | | Ad. |
| 442 218 | <i>Panamensis</i> Ad. | 450 226 | (<i>Crepidatella</i>) <i>echinus</i> |
| | <i>H. mitrula</i> Sowb. | 450 226 | <i>excavata</i> Brod. [Brod. |
| 442 218 | <i>radiata</i> Sowb. | | <i>Calyptrea</i> (<i>Crepi-</i> |
| 443 219 | <i>Calyptrea aberrans</i> Ad. | | <i>dula</i>) <i>excavata</i> Brod. |
| 443 219 | (<i>Syphopatella</i>) <i>as-</i> | 451 227 | <i>hepatica</i> ? Desh. |
| | <i>persa</i> Ad. | 452 228 | <i>incurva</i> Brod. |
| 444 220 | <i>cepacea</i> Brod. | | <i>Calyptrea</i> (<i>Crepi-</i> |
| 444 220 | (<i>Syphopatella</i>) <i>conica</i> | | <i>dula</i>) <i>incurva</i> Brod. |
| 445 221 | <i>dentata</i> Mke. [Brod. | 453 229 | <i>Lessonii</i> Brod. |
| | <i>C. rugosa</i> Rve. | | <i>Calyptrea</i> (<i>Crepi-</i> |
| 445 221 | (<i>Calypeopsis</i>) <i>hispida</i> | | <i>dula</i>) <i>Lessonii</i> Brod. |
| | Brod. | 453 229 | <i>squama</i> Brod. |
| 446 222 | (<i>Calypeopsis</i>) <i>imbri-</i> | | <i>Calyptrea</i> (<i>Crepi-</i> |
| | <i>cata</i> Brod. | | <i>dula</i>) <i>squama</i> Brod. |
| 447 223 | (<i>Calypeopsis</i>) <i>macu-</i> | 454 230 | <i>unguiformis</i> Lam. |
| | <i>lata</i> Brod. | | <i>C. italica</i> Deifr. |
| 447 223 | <i>planulata</i> Ad. [Brod. | | <i>piana</i> Say. |
| 447 223 | (<i>Calypeopsis</i>) <i>radiata</i> | | <i>calceolina</i> Desh. |
| 448 224 | (<i>Syphopatella</i>) <i>re-</i> | | <i>dilatata</i> D'Orb. |
| | <i>gularis</i> Ad. | | <i>Patella crepidula</i> Lin. |
| 449 225 | <i>umbrella</i> Desh. | 458 234 | <i>nivea</i> Ad. |
| | <i>C. rudis</i> Brod. | 458 234 | <i>osculans</i> Ad. |
| 449 225 | <i>unguis</i> ? | 459 235 | <i>rostrata</i> Ad. |

Family **Fissurellidae**.

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|---------|------------------------------|---------|--------------------------------|
| 459 235 | <i>Fissurella aequalis</i> | 463 239 | <i>Siphonaria costata</i> St. |
| 460 236 | <i>alta</i> Ad. [Sowb. | 463 239 | <i>gigas</i> Sowb. |
| 460 236 | <i>macrotrema</i> Sowb. | 464 240 | <i>maura</i> Sowb. |
| 461 237 | <i>microtrema</i> Sowb. | 464 240 | <i>pica</i> ? Sowb. |
| 461 237 | <i>mus</i> Rve. | 465 241 | <i>Lottia patina</i> ? Rathke. |
| 461 237 | <i>nigropunctata</i> Sowb. | | <i>Acmæa patina</i> Rath. |
| 462 238 | <i>ostrina</i> Rve. | 465 241 | — (sp. ind. a.) |
| 462 238 | <i>virescens</i> Sowb. | 465 241 | — (sp. ind. b.) |
| 463 239 | <i>Siphonaria character-</i> | 465 241 | — (sp. ind. c.) |
| | <i>istica</i> Rve. | | |

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Family **Patellidæ**.

Ann. P. S.			Ann. P. S.	
Pa.	Pa.		Pa.	Pa.
465	241	<i>Patella</i> ? (sp. ind. a.)	466	242 <i>Chiton luridus</i> ? Sowb.
466	242	<i>Chiton olathratus</i> Rve.	467	243 <i>pulchellus</i> Gray.
466	242	<i>dispar</i> Sowb.	467	243 <i>Stokesii</i> Brod.

Family **Ostræidæ**.

468	244	<i>Anomia lampe</i> Gray.	469	245 <i>Ostrea</i> — (sp. ind. b.)
469	245	<i>tenuis</i> Ad.	470	246 — (sp. ind. c.)
469	245	— (sp. ind. a.)	470	246 — (sp. ind. d.)
469	245	<i>Ostrea</i> — (sp. ind. a.)	470	246 — (sp. ind. e.)

Family **Pectenidæ**.

471	247	<i>Spondylus Lamarckii</i>		<i>Pecten ventricosus</i> in
		Chenu.		errata.
471	247	— (sp. ind. a.)	472	248 <i>Tumbezensis</i> D'Orb.
471	247	<i>Pecten inca</i> D'Orb.		<i>P. asperus</i> Sowb.
		<i>P. tumidus</i> Sowb.	472	248 <i>Lima angulata</i> Sowb.
		<i>ventricosus</i> Sowb.	473	249 <i>Pacifica</i> D'Orb.
				<i>L. arcuata</i> Sowb.

Family **Aviculidæ**.

473	249	<i>Avicula margaritifera</i> ?	474	250 <i>Perna</i> — (sp. ind. a.)
474	250	<i>sterna</i> Gould.	474	250 — (sp. ind. b.)

Family **Mytilidæ**.

474	250	<i>Pinna maura</i> Sowb.	476	252 <i>Modiola</i> — (sp.
475	251	<i>tuberculosa</i> Sowb.		ind. a.)
475	251	<i>Mytilus</i> (sp. ind. a.)	476	252 — (sp. ind. b.)
475	251	<i>Lithodomus</i> — (sp.	476	252 — (sp. ind. c.)
		ind. a.)	476	252 — (sp. ind. d.)
475	251	<i>Modiola semifusca</i> ? Lk.	476	252 — (sp. ind. e.)
		<i>Mytilus Guianensis</i> Küst.		

Family **Chamidæ**.

477	253	<i>Chama Buddiana</i> Ad.	478	254 <i>Chama echinata</i> Brod.
477	253	<i>corrugata</i> ? Brod.		

Family **Arcidæ**.

478	254	<i>Nucula Elenensis</i> Sowb.	479	255 <i>Nucula polita</i> Sh. [Sh.
479	255	<i>exigua</i> Sowb.	480	256 <i>Pectunculus assimilis</i>

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Ann. P. S.	Pa. Pa.		Ann. P. S.	Pa. Pa.	
481	257	<i>Pectunculus maculatus</i> Brod.	484	260	<i>Arca (Byssarca) pholidiformis</i> Ad.
481	257	<i>Arca alternata</i> Ree. <i>Byssarca alternata</i> Swb.	485	261	<i>Reeveana</i> D'Orb. <i>A. Heblingii</i> Ree.
481	257	<i>aviculoides</i> ? Shy. <i>A. auriculata</i> Sowb.	485	261	<i>reversa</i> Sowb. <i>A. hemicardium</i> Koch.
482	258	<i>emarginata</i> Sowb.	485	261	<i>similis</i> Ad.
482	258	<i>gradata</i> Brod. & Shy.	486	262	<i>solida</i> Shy. [Sowb. <i>Byssarca solida</i>
483	259	<i>grandis</i> Brod. & Shy.	486	262	(<i>Byssarca</i>) <i>Tabogensis</i> Ad.
483	259	<i>mutabilis</i> Shy. [Sowb. <i>Byssarca mutabilis</i>	487	263	<i>tuberculosa</i> Sowb.
			488	264	— (sp. ind. a.)

Family *Cardiidae*.

488	264	<i>Cardita affinis</i> Sowb. <i>C. nodulosa</i> Val.?	491	267	<i>Cardium obovale</i> Br. & Sowb.
489	265	<i>laticosta</i> Sb. <i>C. arcella</i> Val.	491	267	<i>planicostatum</i> Sowb.
489	265	<i>radita</i> Sowb.	491	267	<i>procerum</i> Sowb.
490	266	<i>Cardium graniferum</i> Brod. & Sowb.	492	268	<i>senticosum</i> Sowb. <i>C. rastrum</i> Ree.

Family *Veneridae*.

493	269	<i>Venus amathusia</i> Phil.	496	272	<i>Cytherea aurantiaca</i> Sowb.
493	269	<i>discors</i> Sowb.			<i>C. aurantia</i> Hanley.
493	269	<i>gnidia</i> Brod. et Sowb.	496	272	<i>consanguinea</i> Ad.
494	270	<i>multicostata</i> Sowb. <i>V. Thouarsi</i> Val.	497	273	<i>radiata</i> Sowb.
494	270	<i>pectunculoides</i> Val.	497	273	<i>squalida</i> Sowb. <i>C. biradiata</i> Gray.
495	271	<i>subrugosa</i> Sowb. <i>Cytherea subsulcata</i> ? Mke.	498	274	<i>Artemis Dunkeri</i> Ree. <i>Cytherea Dunkeri</i> Ph.
495	271	— (sp. ind. a.)			<i>Artemis Pacifica</i> Tros.
495	271	— (sp. ind. b.)	499	275	<i>saccata</i> Gould.
496	272	<i>Cytherea affinis</i> Sowb.	499	275	<i>Gouldia Pacifica</i> Ad.
			499	275	<i>Cyrena maritima</i> Ad.

Family *Tellenidae*.

500	276	<i>Lucina tellinoides</i> Ree.	501	277	<i>Donax gracilis</i> Hanl.
500	276	<i>Capsa altior</i> Sowb.	502	278	<i>navicula</i> Hanl.
501	277	<i>Donax assimilis</i> Hanl.	502	278	<i>rostratus</i> Ad.

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ANN. P. S.			ANN. P. S.		
Pa.	Pa.		Pa.	Pa.	
503	279	<i>Tellina aurora</i> Hanl.	507	283	<i>Tellina puella</i> Ad.
503	279	<i>cognata</i> Ad.	507	283	<i>rubescens</i> Hanl.
504	280	<i>Columbiensis</i> Hanl.	508	284	<i>siliqua</i> Ad.
504	280	<i>concinna</i> Ad.	508	284	<i>simulans</i> Ad.
505	281	<i>crystallina</i> Chemn.			<i>T. punicea</i> part Hanl.
505	281	<i>Cumingii</i> Hanl.	509	285	<i>sincera</i> Hanl.
506	282	<i>Dombel</i> Hanl.	509	285	<i>vicina</i> Ad.
506	282	<i>felix</i> Hanl.	510	286	— (sp. ind. a.)
506	282	<i>laceridens</i> Hanl.	510	286	— (sp. ind. b.)
507	283	<i>prora</i> Hanl.	510	286	— (sp. ind. c.)

Family *Petricolidæ*.

510	286	<i>Petricola cognata</i> Ad.	511	287	<i>Saxicava tenuis</i> ? Sowb.
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Family *Macrtridæ*.

511	287	<i>Cumingia coarctata</i> Sb.	515	291	<i>Amphidesma tor-</i>
512	288	<i>trigonalis</i> Sowb.			<i>tuosum</i> Ad.
512	288	— (sp. ind. a.)	516	292	<i>ventricosum</i> Ad.
512	288	— (sp. ind. b.)	516	292	<i>Crassatella gibbosa</i> Sb.
512	288	— (sp. ind. c.)	517	293	<i>Mulinia donaciformis</i>
512	288	— (sp. ind. d.)	517	293	<i>ventricosa</i> Gld. Hanl.
512	288	<i>Amphidesma bicolor</i>			<i>Lutraria ventricosa</i>
513	289	<i>ellipticum</i> Sowb. ? [Ad.]			Gould.
513	289	<i>proximum</i> Ad.	517	293	<i>Lutraria elegans</i> Sby.
514	290	<i>pulchrum</i> Sowb.			<i>Macra elegans</i> Sowb.
515	291	<i>striosum</i> Ad.	518	294	<i>Macra velata</i> Phil.

Family *Corbulidæ*.

518	294	<i>Anatina alta</i> Ad.	522	298	<i>Corbula obesa</i> Hinds.
519	295	<i>Pandora cornuta</i> Ad.	522	298	<i>ovulata</i> Sowb.
519	295	<i>Potamomya æqualis</i>	523	299	<i>rubra</i> Ad.
520	296	<i>inflata</i> Ad. [Ad.]	523	299	<i>tenuis</i> Ad.
520	296	<i>trigonalis</i> Ad.	524	300	— (sp. ind. a.)
521	297	<i>Corbula bicarinata</i> Sb.	524	300	— (sp. ind. b.)
521	297	<i>biradiata</i> Sowb.			

Family *Solenidæ*.

524	300	<i>Solecurtus affinis</i> Ad.	524	300	<i>Solen rudis</i> Ad.
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Family **Pholadidae**.

Ann. P. S.		Ann. P. S.	
Pa.	Pa.	Pa.	Pa.
525	301	<i>Pholas crucigera</i> Sowb.	<i>Penitella xylophaga</i> ?
526	302	<i>tubifera</i> Sowb.	Val.
526	302	<i>xylophaga</i> Val.	526 302 <i>Pholas</i> — (sp. ind. a.)
			526 302 — (sp. ind. b.)

CLASS **BRACHIOPODA**.527 303 *Orbicula Cumingii* Brod.

SYNOPSIS OF NEW SPECIES.

528 304	<i>Ovula neglecta</i> Ad.	532 308	<i>Pleurotoma atrior</i> Ad.
528 304	<i>variabilis</i> Ad.	532 308	<i>concinna</i> Ad.
528 304	<i>Marginella minor</i> Ad.	532 308	<i>exigua</i> Ad.
528 304	<i>Mitra solitaria</i> Ad.	532 308	<i>gemmae</i> Ad.
528 304	<i>Oliva inconspicua</i> Ad.	532 308	<i>grandimaoulata</i> Ad.
528 304	<i>Nassa canescens</i> Ad.	533 309	<i>striosa</i> Ad.
529 305	<i>collaria</i> Ad.	533 309	<i>Mangelia neglecta</i> Ad.
529 305	<i>corpulenta</i> Ad.	533 309	<i>Cerithium assimilat</i>
529 305	<i>gemmae</i> Ad.		[Ad.
529 305	<i>glauca</i> Ad.	533 309	<i>bimarginatum</i> Ad.
529 305	<i>Panamensis</i> Ad.	533 309	<i>famelicum</i> Ad.
529 305	<i>proxima</i> Ad.	533 309	<i>neglectum</i> Ad.
529 305	<i>striata</i> Ad.	533 309	<i>pauperculum</i> Ad.
529 305	<i>versicolor</i> Ad.	534 310	<i>pulchrum</i> Ad.
530 306	<i>Wilsoni</i> Ad.	534 310	<i>Reevianum</i> Ad.
530 306	<i>Buccinum lugubre</i> Ad.	534 310	<i>validum</i> Ad. [Ad.
530 306	<i>Stimpsonianum</i> Ad.	534 310	<i>Triphoris alternatus</i>
530 306	<i>Purpura foveolata</i> Ad.	534 310	<i>inconspicuus</i> Ad.
530 306	<i>osculans</i> Ad. [Ad.	534 310	<i>infrequens</i> Ad.
530 306	<i>Columbella conspicua</i>	534 310	<i>Cœcum diminutum</i> Ad.
530 306	<i>diminuta</i> Ad.	535 311	<i>eburneum</i> Ad.
531 307	<i>gracilis</i> Ad.	535 311	<i>firmatum</i> Ad.
531 307	<i>moesta</i> Ad.	535 311	<i>laeve</i> Ad.
531 307	<i>pulchrior</i> Ad.	535 311	<i>laqueatum</i> Ad.
531 307	<i>tesselata</i> Ad.	535 311	<i>monstrosum</i> Ad.
531 307	<i>Riccinula jugosa</i> Ad.	535 311	<i>parvum</i> Ad.
531 307	<i>Triton fuscoides</i> Ad.	535 311	<i>pygmæum</i> Ad.
531 307	<i>Fusus bellus</i> Ad.	535 311	<i>Chemnitzia aculeus</i> Ad.
532 308	<i>Cancellaria affinis</i> Ad.	535 311	<i>acuminata</i> Ad.
532 308	<i>pygmæa</i> Ad.	535 311	<i>affinis</i> Ad.

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Pa. Pa.

535	311	<i>Chemnitzia clathratula</i>
536	312	<i>communis</i> Ad. [Ad.]
536	312	<i>gracillior</i> Ad.
536	312	<i>major</i> Ad.
536	312	<i>marginata</i> Ad.
536	312	<i>Panamensis</i> Ad.
536	312	<i>similis</i> Ad.
536	312	<i>striosa</i> Ad.
536	312	<i>turrita</i> Ad.
537	313	<i>Littorina?</i> <i>anglostoma</i>
537	313	<i>atrata</i> Ad. [Ad.]
537	313	<i>dubiosa</i> Ad.
537	313	<i>? excavata</i> Ad.
537	313	<i>? foveata</i> Ad.
537	313	<i>? megasoma</i> Ad.
537	313	<i>Rissoa clandestina</i> Ad.
537	313	<i>firmata</i> Ad.
538	314	<i>fortis</i> Ad.
538	314	<i>? inconspicua</i> Ad.
538	314	<i>infrequens</i> Ad.
538	314	<i>Janus</i> Ad.
538	314	<i>notabilis</i> Ad.
538	314	<i>scalariformis</i> Ad.
538	314	<i>Cingula?</i> <i>inconspicua</i>
539	315	<i>paupercula</i> Ad. [Ad.]
539	315	<i>? terebellum</i> Ad.
539	315	<i>turrita</i> Ad.
539	315	<i>Littopa?</i> <i>saxicola</i> Ad.
539	315	<i>Adeorbis?</i> <i>abjecta</i> Ad.
539	315	<i>Vitrinella concinna</i> Ad.
539	315	<i>exigua</i> Ad.
539	315	<i>Janus</i> Ad.
540	316	<i>minuta</i> Ad.
540	316	<i>modesta</i> Ad.
540	316	<i>Panamensis</i> Ad.
540	316	<i>parva</i> Ad.
540	316	<i>perparva</i> Ad.
540	316	<i>regularis</i> Ad.
540	316	<i>seminuda</i> Ad.
540	316	<i>tricarinata</i> Ad.
541	317	<i>valvatoides</i> Ad.
541	317	<i>Trochus coronulatus</i>
541	317	<i>Leanus</i> Ad. [Ad.]

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541	317	<i>Turbo?</i> <i>phasaniella</i> Ad.
541	317	<i>rutilus</i> Ad.
541	317	<i>Eulima iota</i> Ad.
541	317	<i>recta</i> Ad.
542	318	<i>solitaria</i> Ad.
542	318	<i>Pyramidella conica</i> Ad.
542	318	<i>Pedipes angulata</i> Ad.
542	318	<i>Auricula concinna</i> Ad.
542	318	<i>infrequens</i> Ad.
542	318	<i>Panamensis</i> Ad.
542	318	<i>Tabogensis</i> Ad.
543	319	<i>trilineata</i> Ad.
543	319	<i>Truncatella Bairdiana</i>
543	319	<i>? dubiosa</i> Ad. [Ad.]
543	319	<i>Bulla infrequens</i> Ad.
543	319	<i>luticola</i> Ad.
543	319	<i>Stomatella inflata</i> Ad.
543	319	<i>Calyptræa aberrans</i>
		Ad.
543	319	<i>(Syphopatella)</i> <i>as-</i>
		<i>persa</i> Ad.
544	320	<i>planulata</i> Ad.
544	320	<i>(Syphopatella)</i> <i>re-</i>
		<i>gularis</i> Ad.
544	320	<i>Crepidula cerithicola</i>
544	320	<i>nivea</i> Ad. [Ad.]
544	320	<i>osculans</i> Ad.
544	320	<i>rostrata</i> Ad.
544	320	<i>Fissurella alta</i> Ad.
544	320	<i>Anomia tenuis</i> Ad.
544	320	<i>Chama Buddiana</i> Ad.
545	321	<i>Arca pholadiformis</i> Ad.
545	321	<i>similis</i> Ad.
545	321	<i>Tabogensis</i> Ad.
545	321	<i>Cytherea consan-</i>
		<i>guinea</i> Ad.
545	321	<i>Gouldia Pacifica</i> Ad.
545	321	<i>Cyrena maritima</i> Ad.
545	321	<i>Donax rostratus</i> Ad.
545	321	<i>Tellina cognata</i> Ad.
546	322	<i>concinna</i> Ad.
546	322	<i>puella</i> Ad.
546	322	<i>siliqua</i> Ad.

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Pa.	Pa.	Pa.	Pa.
546	322	<i>Tellina simulans</i> Ad.	547 323 <i>Anatina alta</i> Ad.
546	322	<i>vicina</i> Ad.	547 323 <i>Pandora cornuta</i> Ad.
546	322	<i>Petricola cognata</i> Ad.	547 323 <i>Potamomya aequalis</i>
547	323	<i>Amphidesma bicolor</i>	548 324 <i>inflata</i> Ad. [Ad.
547	323	<i>proximum</i> Ad. [Ad.	548 324 <i>trigonalis</i> Ad.
547	323	<i>striosum</i> Ad.	548 324 <i>Corbula rubra</i> Ad.
547	323	<i>tortuosum</i> Ad.	548 324 <i>Solecourtus affinis</i> Ad.
547	323	<i>ventricosum</i> Ad.	548 324 <i>Solen rudis</i> Ad.

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Page.

- 14 **Redfield.**—Descriptions of new species of *Helicidae*: by JOHN H. REDFIELD.

14	<i>Bulimus lentiginosus</i> Redfield.	Trinidad.
15	<i>Siemensis</i> Redfield.	Siam.
16	<i>Helix circumfirmata</i> Redfield.	Bermuda.

- 17 Note on—

Geographical distribution of *Bulimus ventricosus* Fer.

- 18 **Newcomb.**—Descriptions of new species of *Achatinella* from Sandwich Islands: by Dr. W. NEWCOMB.

18	<i>Achatinella violacea</i> Newc.	Molokai.
19	<i>tessellata</i> Newc.	Molokai.
19	<i>Adamsi</i> Newc.	Makawao, Maui.
20	<i>splendida</i> Newc.	Waialukee, Maui.
21	<i>Gouldi</i> Newc.	Waialukee, Maui.
21	<i>rufa</i> Newc.	Molokai.
22	<i>Redfieldi</i> Newc.	Maui.
22	<i>ovata</i> Newc.	Oahu.
23	<i>dubia</i> Newc.	Oahu.
24	<i>polita</i> Newc.	Molokai.
24	<i>obesa</i> Newc.	Maui.
25	<i>Cumingii</i> Newc.	Maui.
25	<i>Pfeifferi</i> Newc.	Molokai.
26	<i>elongata</i> Newc.	Oahu.
27	<i>Helena</i> Newc.	Molokai.
27	<i>labiata</i> Newc.	Oahu.
28	<i>mucronata</i> Newc.	Molokai.
28	<i>fusca</i> Newc.	Oahu.
29	<i>lineolata</i> Newc.	E. Maui.
29	<i>grana</i> Newc.	E. Maui.

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- 35 **Fairbank.**—Observations on the animal of *Rotella* Lam.: by Rev. S. B. FAIRBANK, of Bombay. (With a fig.)

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- 68 **Shuttleworth.**—Catalogue of the Terrestrial and Fluviatile Shells of St. Thomas, West Indies: by R. J. SHUTTLEWORTH, &c.

[In the remarks are also additional notes on synonymy and habitat.—W. G. B.]

Pa.

- 68 *Helix vortex* Pfr.
68 *subaquilla* Sh.
68 *euclasta* Sh.
69 *Gundlachi* Pfr.
69 *incerta* Pfr.
69 *nemoralina* Petit.
69 *Bulimus virgulatus* Fer.
69 *fraterculus* Fer.
69 *Guadalupensis* Brug.
70 *Stenogyra subula* Pfr.
70 *oetonoides* Ad.
70 *Goodalli* Mull.
70 *Swiftiana* Pfr.
70 *octona* Chems.
70 *Achatina subtilis* Pfr.
70 *Gundlachi* Pfr.
70 *Spiraxis ejuncida* Sh.
71 *Pupa servilis* Gld. [Pfr.
71 *Macroceramus microdon*
71 *Cylindrella pallida* Guild.
71 *Succinea approximans* Sh.
71 *Cyclostoma* (Megal.) *antillarum* Sowb.

Pa.

- 71 *Cyclostoma* (*Chondropoma*) *Newcombianum* Ad.
71 *Helicina subfusca* Mke.
72 *foveata* Pfr.
72 var. *rubella*.
72 *Truncatella subcylindrica*
72 *pulchella* Pfr. [Gray.
72 *clathrus* Lowe.
72 *Planorbis decipiens* Ad.?
72 *circumlineatus* Sh.
72 *Physa Sowerbyana* D'Orb.
72 *striata* D'Orb.
72 *Ancylus obscurus* Hald.
73 *Amnicola crystallina* Pfr.
Paludestrina coronata Pfr.
73 *Neritina virginea* Linn.
73 *meleagris* Lam.
73 *viridis* Lam.
73 *Melampus coniformis* Brug.
73 *monilis* Lam.
73 *nitens* Lam.
73 *Pedipes quadridens* Pfr.
73 *Odostomia* (*Tornatellina*) *Cubensis* Pfr.

[Most of the above species are also said to inhabit Porto Rico.—W. G. B.]

- 74 **Bland.**—Note on the geographical distribution of the Terrestrial Mollusks which inhabit the Island of St. Thomas, West Indies: by T. BLAND.

[The following species are named.—W. G. B.]—

- 74 *Helix vortex*.
74 *Gundlachi*.
74 *nemoralina*.
74 *euclasta*.
74 *incerta*.
74 *notabilis*.

- 74 *Bulimus virgulatus*.
74 *Guadalupensis* Brug.
74 *fraterculus*.
74 *Achatina Gundlachi*.
74 *Spiraxis* ? *ejuncida*.
74 *Pupa servilis*.

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Page.		Page.	
74	<i>Macroceramus microdon.</i>	74	<i>Cyclostoma Newcombi-</i>
74	<i>Cylindrella pallida.</i>		<i>anum.</i>
74	<i>Cyclostoma Antillarum.</i>	74	<i>Helicina subfusca.</i>
		74	<i>foveata.</i>

- 75 **Bland.**—On the absorption of parts of the internal structure of their Shells by the animals of *Stoastoma*, *Lucidella*, *Trochatella*, *Helicina*, and *Proserpina*: by T. BLAND.

[A list of the species examined is given.—W. G. B.]

76	<i>Helicina maxima</i> Sowb.	76	<i>Stoastoma pisum</i> Ad.
76	<i>albolabris</i> Ad.	76	<i>Proserpina pulchra</i> Ad.
76	<i>palliata</i> Ad.	76	<i>nitida</i> Sowb.
76	<i>Hollandi</i> Ad.	76	<i>pisum</i> Ad.
76	<i>neritella</i> Lam.	76	<i>globulosa</i> D'Orb.
76	<i>Lucidella aureola</i> Gray.	76	<i>depressa</i> D'Orb.
76	<i>Trochatella Tankervillei</i>	76	<i>bidentata</i> D'Orb.
76	<i>pulchella</i> Gray. [Gray.]		

- 77 **Bland.**—On *Proserpina opalina* C. B. Ad., and *Helix Proserpinula* Pfr.: by T. BLAND.

78	<i>Helix infortunata</i> Bland.		<i>H. margarita</i> Pfr.
	<i>H. hyalina</i> Ad.		<i>Odontostoma opalinum</i> Pfr.
	<i>opalina</i> Ad.		<i>Proserpina opalina</i> Pfr.

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Pa. Pl. Fig.

- 131 **J. H. Redfield.**—(Vide p. 240.)

- 131 i 7 *Cyclostoma inornatum* Redf. Guadaloupe.

Vol. vi, No. 5. Oct. 1855.

Page.

- 142 **Newcomb.**—Descriptions of new species of *Achatinella*: by W. NEWCOMB, M. D.

142	<i>Achatinella zebra</i> Newc.	East Maui.
143	<i>humilis</i> Newc.	Kalai, Molokai.
143	<i>petricola</i> Newc.	Molokai.
144	<i>fusoides</i> Newc.	East Maui.
144	<i>pusilla</i> Newc.	Ranai.
145	<i>Dwightii</i> Newc.	Molokai.
146	<i>Remyi</i> Newc.	Ranai.
147	<i>Wheatleyi</i> Newc. = <i>A. vidua</i> Pfr.	
147	<i>oviformis</i> Newc. = <i>A. Sowerbyana</i> Pfr.	

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Pa. Pl. Fig.

- 147 **Bland.**—Notes on—
- 147 Certain Terrestrial Mollusks which inhabit the West Indies : by T. BLAND.
- 147 On the occurrence of *Pupa bicolor* Hutton, in the Island of St. Thomas.
- 148 On the animal of *Proserpina*.
- 150 On the structure of the axis of the shell of *Cylindrella*.
- 150 v 19 *Cylindrella elatior*.
- 150 *tenera* C. B. Ad.
- 151 *tenella* C. B. Ad.
- 151 v 16 *Agnesiana* C. B. Ad.
- 151 v 17 *pruinosa* Mor.
- 151 v 18 *strangulata* Poey.
- 151 *Oviedolana* D'Orb.
- 151 *Proserpina opalina*.
- 151 **Bland.**—Corrections and additional facts, especially as to the habitat of sundry species.
- 151 *Helix Cassaquensis* Newc. Demarara.
- 152 *cognata* Fer. Jamaica.
- 152 *conspersula* Pfr. Jamaica.
- 152 *cornu-militare* L. Dominican Republic.
- 152 *formosa* Fer. Antigua.
- 152 *orbiculata* Fer. Sta. Lucia.
- 152 *Pallasiana* Pfr. Bonin Island?
- 153 *penicillata* Gld. = *H. Cubensis* Pfr.
- 153 *Sagraiana* D'Orb. Mts. betw. Guajabon
- 153 *similaris* Fer. Barbadoes. [& Rangel.
- 153 *Bullimus aulacostylus* Pfr. Sta. Lucia, Trinidad,
- B. lentiginosus* Redf. [Demarara.
- 154 *Cylindrella tricolor* Pfr. Jamaica.
- C. Maugeri* (var.) *raphinina* Chitty.
- 154 *Cyclostoma versicolor* Pfr. Jamaica.
- 154 *rufilabrum* Beck. St. Croix.
- C. bilabre* Mke.
- 154 *Beaulanum* Petit. Guadeloupe.
- C. inornatum* Redf.

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- | Pa. | Pl. | Fig. | | | |
|-----|-----|-------|--|-----------------|--|
| 155 | | | Chitty. —Descriptions of two new species of <i>Cylindrella</i> ,
from Jamaica, West Indies: by the Hon. E. CHITTY, &c. | | |
| 155 | v | 1, 2 | <i>Cylindrella megahella</i> Chitty. | Hanover Parish. | |
| 156 | v | 3, 4 | <i>amethystina</i> Chitty. | Hanover Parish. | |
| 156 | | | <i>amethystina</i> Chitty (var.) <i>cerina</i> . | | |
| 156 | | | <i>Bauleana</i> Chitty. | Jamaica. | |
| | | | <i>C. Adamsiana</i> Chitty. | | |
| 156 | | | <i>Leptinaria</i> ——— ? | | |
| 157 | | | Haines. —Descriptions of five new species of Terrestrial
Shells from Siam: by WILLIAM A. HAINES. | | |
| 157 | v | 12-15 | <i>Cylostoma Housel</i> Haines. | Siam. | |
| 157 | v | 9-11 | <i>Myersii</i> Haines. | Siam. | |
| 158 | v | 5-8 | <i>distortum</i> Haines. | Siam. | |
| 158 | | | <i>Vitrina Siamensis</i> Haines. | Siam. | |
| 158 | | | <i>Helix distincta</i> Pfr. | Siam. | |

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- | Pa. | Pl. | Fig. | | | |
|-----|-----|------|--|--|--|
| 173 | | | Gulick. —Descriptions of new species of <i>Achatinella</i>
from the Hawaiian Islands: by J. T. GULICK. | | |
| | | | [The exact localities are given.—W. G. B.] | | |
| 173 | vi | 1 | <i>Achatinella leucocochlia</i> Gulick. | | |
| 174 | vi | 2 | <i>resinula</i> Gulick. | | |
| 175 | vi | 3 | <i>lagena</i> Gulick. | | |
| 176 | vi | 4 | <i>lacrima</i> Gulick. | | |
| 177 | vi | 5 | <i>oostulata</i> Gulick. | | |
| 178 | vi | 6 | <i>striatella</i> Gulick. | | |
| 179 | vi | 7 | <i>marginata</i> Gulick. | | |
| 180 | vi | 8 | <i>fuscula</i> Gulick. | | |
| 181 | vi | 9 | <i>fumida</i> Gulick. | | |
| 182 | vi | 10 | <i>gummea</i> Gulick. | | |
| 183 | vi | 11 | <i>fragilis</i> Gulick. | | |
| 184 | vi | 12 | <i>triticea</i> Gulick. | | |
| 185 | vi | 13 | <i>granifera</i> Gulick. | | |
| 186 | vi | 14 | <i>crystallina</i> Gulick. | | |
| 187 | vi | 15 | <i>saxatilis</i> Gulick. | | |
| 188 | vi | 16 | <i>exilis</i> Gulick. | | |
| 189 | vi | 17 | <i>petita</i> Gulick. | | |
| 190 | vi | 18 | <i>octogyrata</i> Gulick. | | |
| 191 | vi | 19 | <i>subula</i> Gulick. | | |
| 192 | vi | 20 | <i>turrita</i> Gulick. | | |

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Pa.	Pl.	Fig.	
193	vi	21	<i>Achatinella terebralis</i> Gulick.
194	vi	22	<i>stiria</i> Gulick.
194	vi	23	<i>vitrea</i> Gulick.
195	vi	24	<i>parvula</i> Gulick.
196	vi	25	<i>platystyla</i> Gulick.
197	vi	26	<i>pexa</i> Gulick.
198	vi	27	<i>lactea</i> Gulick.
199	vi	28 ^{a, b}	<i>eburnea</i> Gulick.
200	vii	29	<i>ampulla</i> Gulick.
201	vii	30	<i>fasciata</i> Gulick.
202	vii	31 ^{a, b}	<i>Baileyana</i> Gulick.
204	vii	32	<i>pyramidalis</i> Gulick.
205	vii	33	<i>nudosa</i> Gulick.
207	vii	34 ^{a, b}	<i>induta</i> Gulick.
209	vii	35	<i>lignaria</i> Gulick.
210	vii	36	<i>crocea</i> Gulick.
211	vii	37	<i>ustulata</i> Gulick.
212	vii	38	<i>talpina</i> Gulick.
213	vii	39	<i>plumbea</i> Gulick.
214	vii	40	<i>phacoxona</i> Gulick.
217	vii	41	<i>plumata</i> Gulick.
220	vii	42 ^{a, b}	<i>diversa</i> Gulick.
222	vii	43	<i>varia</i> Gulick.
			<i>A. vulpina</i> Rve. non Fer.
224	vii	44 ^{a, b}	<i>versipellis</i> Gulick.
225	vii	45	<i>cucumis</i> Gulick.
226	vii	46	<i>trilineata</i> Gulick.
227	vii	47	<i>analoga</i> Gulick.
229	vii	48	<i>papyracea</i> Gulick.
230	vii	49	<i>junceae</i> Gulick.
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231	viii	50	<i>delta</i> Gulick.
232	viii	51	<i>glauca</i> Gulick.
233	viii	52	<i>herbacea</i> Gulick.
234	viii	53	<i>cæsia</i> Gulick.
234	viii	54	<i>concidens</i> Gulick.
235	viii	55	<i>formosa</i> Gulick.
236	viii	56	<i>dimorpha</i> Gulick.
237	viii	57	<i>albescens</i> Gulick.
238	viii	58	<i>zonata</i> Gulick.
239	viii	59	<i>contracta</i> Gulick.
240	viii	60	<i>cognata</i> Gulick.
241	viii	61	<i>scitula</i> Gulick.
241	viii	62	<i>cervina</i> Gulick.

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Pa.	Pl.	Fig.	Notes on—
243			<i>A. vulpina</i> Fer. <i>A. producta</i> Rve. <i>A. bilineata</i> Rve.
243			<i>A. vulpina</i> Rve. = <i>A. varia</i> Gulick.
243			<i>A. livida</i> Swains.
243			<i>A. Stewartii</i> Green.
243			<i>A. venulata</i> Newo. = <i>A. vulpina</i> .
243			<i>A. hybrida</i> Newo. = <i>A. vulpina</i> .
243			<i>A. venulata</i> (var. a) = <i>A. Stewartii</i> .
243			<i>A. Johnsonii</i> Newo. = <i>A. Byronii</i> .
243			<i>A. apulstre</i> Newo. = <i>A. Byronii</i> .
243			<i>A. pulcherrima</i> = <i>A. Byronii</i> .
243			<i>A. livida</i> Swains.
244			<i>A. lorata</i> Rve. = <i>pulcherrima</i> Swains, &c. &c.
245	viii	63	<i>Achatinella obliqua</i> Gulick.
246	viii	64	<i>oomorpha</i> Gulick.
247	viii	65	<i>spadicea</i> Gulick.
248	viii	66	<i>corrugata</i> Gulick.
249	viii	67	<i>rotunda</i> Gulick.
250	viii	68	<i>torrida</i> Gulick.
251	viii	69	<i>nympha</i> Gulick.
252	viii	70 ^{a, b}	<i>limbata</i> Gulick.
253	viii	71	<i>bulbosa</i> Gulick.
254	viii	72	<i>mahogani</i> Gulick.
254	viii	73	<i>virens</i> Gulick.
255			GILL.—Description of a new species of the genus <i>Cypræa</i> Linn.: by THEO. GILL.
256	ix	1-3	<i>Cypræa notata</i> Gill. East Indies.
Vol. vi, No. 8. Sept. 1858.			
Page.			
303	Newcomb.—Synopsis of the genus <i>Achatinella</i> : by W. Newcomb, M. D.		
305	<i>Achatinella textilis</i> Fer.		<i>A. diversa</i> Gulick.
	<i>A. ventulus</i> Rve.		<i>varia</i> Gulick.
	<i>microstoma</i> Gould.		<i>analogia</i> Gulick.
	<i>ventulus</i> Pfr.		<i>virens</i> Gulick.
306	<i>ventulus</i> Fer.		<i>livida</i> Pfr. not Swains.
	<i>A. melampoides</i> Pfr.	307	<i>Achatinella gravida</i> Fer.
306	<i>vulpina</i> Fer.		<i>A. suffusa</i> Rve.
	<i>A. Stewarti</i> Green.		<i>Dimondi</i> C. B. Ad.

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Page.		Page.	
307	Achatinella spirazona Fer.		<i>A. ustulata</i> Gulick.
	<i>A. acuta</i> Swains.	311	Achatinella picta Migh.
307	turritella Fer.		<i>A. bulbosa</i> Gulick.
	<i>A. Oahuensis</i> Green.		<i>picta</i> Pfr.
	<i>inornata</i> Migh.	311	venusta Migh.
307	decora Fer.	312	citrina Migh.
	<i>A. vestita</i> Migh.	312	plicata Migh.
	<i>perversa</i> Pfr. not Sw.		<i>Bulimus liratus</i> Pfr.
	<i>simulans</i> Pfr. [Rve.	312	nubilosa Migh.
	<i>lugubris</i> (var.) Pfr. not	312	virgulata Migh.
	<i>vittata</i> Pfr. not Rve.		<i>A. Rohri</i> Pfr.
308	tristis Fer.		<i>Bulimus Rohri</i> Pfr.
	<i>A. fuliginosa</i> Gould.		<i>A. insignis</i> Migh.
308	lugubris Chemn.	312	viridans Migh.
	<i>A. pica</i> Swains.		<i>A. radiata</i> Pfr.
	<i>Monodonta semintgra</i> Lk.		<i>radiata</i> Rve.
	<i>Bulimus seminiger</i> Mks.		<i>rutila</i> Pfr. not Newo.
308	luteola Fer.		<i>sub-virens</i> Pfr. not
308	pulcherrima Swains.		Newo.
	<i>A. mahogani</i> Gulick.		<i>decipiens</i> Pfr. not
	<i>napus</i> Pfr.	313	mustellina Migh. [Newo.
309	perversa Swains.		<i>A. lorata</i> (var. β) Pfr.
	<i>A. concidens</i> Gulick.	313	cingula Migh.
	<i>cinnamomea</i> Pfr.	313	radiata Gould.
309	rosea Swains.		<i>A. dubia</i> Pfr. not Newo.
309	livida Swains. [Migh.		<i>grisea</i> Pfr. not Newo.
	<i>A. viridans</i> Rve. not		<i>Partula radiata</i> Pfr.
	<i>Reevei</i> C. B. Ad.		<i>Bulimus Gouldi</i> Pfr.
	<i>Emersonii</i> Newo.		<i>Partula densilineata</i> Rve.
	<i>glauca</i> Gulick.	314	rubens Gould.
310	bulimoides Swains.		<i>A. rubens</i> Rve.
	<i>A. obliqua</i> Gulick.		<i>Mastersii</i> Pfr.
	<i>oomorpha</i> Gulick.	314	nucleola Gould.
	<i>bulimoides</i> Rve.		<i>A. brevis</i> Pfr.
310	lorata Fer.	315	striatula Gould.
	<i>A. pallida</i> Nutt.		<i>A. clara</i> Pfr.
	<i>alba</i> Nutt.		<i>clara</i> Rve.
	<i>ventrosa</i> (var.) Pfr.	315	cerealis Gould.
311	marmorata Gould.	315	acuminata Gould.
	<i>A. Adamsi</i> Newo.	315	guttula Gould.
	<i>Adamsii</i> Newo.		<i>A. gummea</i> Gulick.
	<i>perdix</i> Pfr.		<i>fragilis</i> Gulick.
	<i>induta</i> Gulick.	315	vittata Rve. [Fer.
	<i>plumbea</i> Gulick.		<i>A. decora</i> (var.) Pfr. not

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Page.		Page.	
	<i>A. globosa</i> Pfr.	320	<i>Achatinella taeniolata</i> Pfr.
315	<i>Achatinella producta</i> Rve.		<i>A. rubiginosa</i> Newc.
	<i>A. venulata</i> Newc.	320	<i>variegata</i> Pfr.
	<i>hybrida</i> Newc.		<i>A. rubens</i> (var.) Rve.
	<i>vulpina</i> Gulick not		<i>decepta</i> C. B. Ad.
316	<i>simulans</i> Rve. [Fer.	320	<i>corneola</i> Pfr.
	<i>A. decora</i> Pfr. not Fer.	320	<i>aptycha</i> Pfr.
316	<i>bella</i> Rve.	320	<i>pulchella</i> Pfr.
316	<i>colorata</i> Rve.	320	<i>cinerosa</i> Pfr.
	<i>A. ustulata</i> Pfr.	320	<i>multicolor</i> Pfr.
316	<i>bilineata</i> Rve. [Sw.		<i>A. oviformis</i> Newc.
	<i>A. pulcherrima</i> Rve. not	320	<i>Swainsoni</i> ? Pfr.
	<i>Byronii</i> Rve. not Gr.	320	<i>Sowerbyana</i> Pfr.
	<i>pulcherrima</i> Pfr. not	320	<i>dolum</i> Pfr.
317	<i>abbreviata</i> Rve. [Sw.	320	<i>rudis</i> Pfr.
	<i>A. nivosa</i> Newc.		<i>A. chlorotica</i> Pfr.
	<i>Clementina</i> Pfr.		<i>albida</i> Pfr.
317	<i>castanea</i> Rve.	321	<i>fusiformis</i> Pfr.
317	<i>olivacea</i> Rve.	321	<i>gracilis</i> Pfr.
	<i>A. prasinus</i> Rve.		<i>A. elevata</i> Newc.
317	<i>adusta</i> Rve.		<i>subula</i> Gulick.
317	<i>perdix</i> Rve.	321	<i>crassidentata</i> Pfr.
	<i>A. pyramidalis</i> Gulick.	321	<i>nobilis</i> Pfr.
	<i>undosa</i> Gulick.	321	<i>Hanleyana</i> Pfr.
318	<i>bacca</i> Rve.	321	<i>zebrina</i> Pfr.
318	<i>straminea</i> Rve.	322	<i>extincta</i> Pfr.
	<i>A. grvida</i> (var.) Fer.	322	<i>obclavata</i> Pfr.
318	<i>Byronii</i> Gray.		<i>A. octograta</i> Gulick.
	<i>A. melanastoma</i> Newc.		<i>turrita</i> Gulick.
	<i>limbata</i> Gulick. [Sw.	322	<i>luctuosa</i> Pfr.
	<i>pulcherrima</i> Rve. not	322	<i>Grayana</i> Pfr.
	<i>pulcherrima</i> Pfr. not	322	<i>glutinosa</i> Pfr.
319	<i>ellipsoidea</i> Gould. [Sw.		<i>A. lacrima</i> Gulick.
	<i>A. pupoidea</i> Newc.	322	<i>callosa</i> Pfr.
319	<i>magna</i> C. B. Ad.	322	<i>dimidiata</i> Pfr.
	<i>A. Baldwinii</i> Newc.	322	<i>semicostata</i> Pfr.
319	<i>modesta</i> C. B. Ad.		<i>A. costulata</i> Gulick.
319	<i>Tappaniana</i> C. B. Ad.	322	<i>teres</i> Pfr.
	<i>A. eburnea</i> Gulick.	322	<i>oryza</i> Pfr.
	<i>ampulla</i> Gulick.		<i>A. triticea</i> Gulick.
	<i>fasciata</i> Gulick.	322	<i>margarita</i> Pfr.
319	<i>Mighelsiana</i> Pfr.	322	<i>sulcata</i> Pfr.
319	<i>pyramis</i> Pfr.	322	<i>auricula</i> Fer.
	<i>A. leucochila</i> Gulick.		<i>Partula Dumartroyi</i> Soul.

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Page.		Page.	
	<i>Auricula Owaihiensis</i> Chamisso.		<i>A. intermedia</i> Pfr. not Newc.
	<i>Bulimus auricula</i> Pfr.	325	<i>Achatinella intermedia</i>
	<i>Auricula sinistrorsa</i> Chamisso.		<i>A. rudis</i> Pfr. [Newc.
	<i>Bulimus armatus</i> Migh.	325	<i>casta</i> Newc.
	<i>Tornatellina Owaihiensis</i>		<i>A. dimorpha</i> Gulick.
323	<i>Achatinella lurida</i> Pfr. [Pfr.		<i>cognata</i> Gulick (var.)
	<i>Tornatellina castanea</i>	326	<i>junceae</i> Gulick.
323	<i>obelliscus</i> Pfr. [Pfr.	326	<i>violacea</i> Newc.
	<i>Balea Newcombi</i> Pfr.	326	<i>sanguinea</i> Newc.
323	<i>amcena</i> Pfr.	326	<i>A. Ferussaci</i> Pfr.
323	<i>oerea</i> Pfr.	326	<i>porphyrea</i> Newc.
323	<i>Chamissoi</i> Pfr.	326	<i>A. grossa</i> Pfr.
323	<i>Newcombiana</i> Pfr.	326	<i>gigantea</i> Newc.
	<i>A. Pfeifferi</i> Newc.	326	<i>subvirens</i> Newc.
	<i>Bulimus Newcombianus</i>	326	<i>A. viridans</i> Pfr. not Migh.
323	<i>Cumingi</i> Newc. [Pfr.		<i>rutila</i> Newc.
	<i>A. gemma</i> Pfr.		<i>A. viridans</i> Pfr. not Migh.
323	<i>farolmen</i> Pfr.		<i>macrostoma</i> Pfr.
323	<i>Dunkeri</i> Cuming.	327	<i>ampla</i> Newc.
323	<i>Gouldi</i> Newc.	327	<i>rugosa</i> Newc.
	<i>A. talpina</i> Gulick.	327	<i>multilineata</i> Newc.
324	<i>ovata</i> Newc.		<i>A. monacha</i> Pfr.
	<i>A. candida</i> Pfr.	327	<i>glabra</i> Newc.
	<i>Fritcki</i> Pfr.		<i>A. platystyla</i> Gulick.
	<i>vidua</i> Pfr.		<i>elegans</i> Pfr. not Newc.
	<i>cervina</i> Gulick.	327	<i>elegans</i> Newc.
	<i>rotunda</i> Gulick.	327	<i>tessellata</i> Newc.
	<i>spadicea</i> Gulick.	327	<i>sordida</i> Newc.
	<i>pheosona</i> ? Gulick.		<i>A. Swainsoni</i> ? Pfr.
	<i>lorata</i> Ewe. not Fer.	327	<i>fumosa</i> Newc.
324	<i>rufa</i> Newc.	327	<i>lineolata</i> Newc.
324	<i>fulgens</i> Newc.	327	<i>nitida</i> Newc.
	<i>A. diversa</i> Gulick (var i.)		<i>A. crystallina</i> Gulick.
324	<i>splendida</i> Newc.	327	<i>crassilabrum</i> Newc.
	<i>A. Bailejana</i> Gulick.	327	<i>cornea</i> Newc.
325	<i>Redfieldi</i> Newc.	328	<i>labiata</i> Newc.
325	<i>cestus</i> Newc.		<i>A. dentata</i> Pfr.
325	<i>Swiftii</i> Newc.		<i>lagena</i> Gulick.
	<i>A. valida</i> Pfr.	328	<i>vitrea</i> Newc.
	<i>apicata</i> Newc.		<i>A. fumida</i> Gulick.
325	<i>turgida</i> Newc.	328	<i>affinis</i> Newc.
325	<i>cylindrica</i> Newc.		<i>A. genicostoma</i> Pfr.

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328	<i>Achatinella elongata</i> Newc.		<i>A. rubens</i> (var.) Pfr. not Gld.
	<i>A. acuta</i> Newc.	332	<i>Achatinella decipiens</i> Newc.
328	<i>polita</i> Newc.		<i>A. viridans</i> Pfr. not Migh.
329	<i>soror</i> Newc.		<i>planospira</i> Pfr.
329	<i>obesa</i> Newc.		<i>cuneus</i> Pfr.
329	<i>terebra</i> Newc.		<i>torrida</i> Gulick.
	<i>A. attenuata</i> Pfr.		<i>corrugata</i> Gulick.
	<i>lignaria</i> Gulick.		<i>scitula</i> Gulick.
	<i>crocea</i> Gulick.		<i>herbacea</i> Gulick.
329	<i>melanosis</i> Newc.	333	<i>variabilis</i> Newc.
329	<i>curta</i> Newc.		<i>A. fulva</i> Newc.
	<i>A. delta</i> Gulick.		<i>lactea</i> Gulick.
	<i>albescens</i> Gulick.	333	<i>orassa</i> Newc.
	<i>contracta</i> Gulick.	333	<i>Buddii</i> Newc.
330	<i>fusca</i> Newc.		<i>A. pera</i> Gulick.
	<i>A. striatella</i> Gulick.		<i>plumata</i> Gulick.
	<i>petila</i> Gulick.		<i>papyracea</i> Gulick.
330	<i>recta</i> Newc.		<i>cæsia</i> Gulick.
	<i>A. nympa</i> Gulick.	333	<i>biplicata</i> Newc.
330	<i>grana</i> Newc.	333	<i>semicarinata</i> Newc.
	<i>A. granifera</i> Gulick.	334	<i>moesta</i> Newc.
	<i>vitriola</i> Gulick.	334	<i>obscura</i> Newc.
	<i>parvula</i> Gulick.	334	<i>concinna</i> Newc.
330	<i>porcellana</i> Newc.	334	<i>undulata</i> Newc.
330	<i>mucronata</i> Newc.	334	<i>nigra</i> Newc.
330	<i>Johnsoni</i> Newc.	334	<i>tetrao</i> Newc.
	<i>A. aplustre</i> Newc.	334	<i>succincta</i> Newc.
330	<i>assimilis</i> Newc.		<i>A. marginata</i> Gulick.
330	<i>reticulata</i> Newc.	334	<i>zebra</i> Newc.
	<i>A. transversalis</i> Pfr.	334	<i>humilis</i> Newc.
	<i>consersa</i> Pfr.	334	<i>petricola</i> Newc.
331	<i>ornata</i> Newc.		<i>A. umbilicata</i> Pfr.
331	<i>albo-labris</i> Newc.	334	<i>fusoides</i> Newc.
	<i>A. nucleola</i> Rve. not Gld.	334	<i>pusilla</i> Newc.
331	<i>solitaria</i> Newc.		<i>A. pulla</i> Newc.
331	<i>germana</i> Newc.	334	<i>Dwightii</i> Newc.
331	<i>flavescens</i> Newc.	334	<i>Remyi</i> Newc.
331	<i>Helena</i> Newc.	334	<i>Maulensis</i> Newc.
331	<i>physis</i> Newc.	334	<i>obtusa</i> Newc.
331	<i>dubia</i> Newc.	335	<i>resinula</i> Gulick.
	<i>A. radiata</i> Pfr. not Gld.	335	<i>saxatilis</i> Gulick.
332	<i>grisea</i> Newc.	335	<i>terebialis</i> Gulick.
	<i>A. radiata</i> Pfr.	335	<i>exilis</i> Gulick.
332	<i>Mastersi</i> Newc.		

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Page.		Page.	
335	<i>Achatinella stirlia</i> Gulick.	335	<i>Achatinella trilineata</i> Gul.
335	<i>versipellis</i> Gulick.		<i>A. zonata</i> Gulick (var.)
335	<i>ovucumis</i> Gulick.	335	<i>fuscula</i> Gulick.
		335	<i>formosa</i> Gulick.

Vol. vii, No. 1-3. March, 1839.

94 **Prime.**—List of known species of *Pisidium*, with their synonymy:
by TEMPLE PRIME.

(The American species have already been given on p. 274.—W. G. B.)

95	<i>Pisidium amnicum</i> Jen. Eur.	<i>Pisidium Jenynsi</i> McGil.
	<i>Tellina amnica</i> Müll.	<i>vitreum</i> Pfr.
	<i>striata</i> Schrot.	<i>nitidum</i> Jen.
	<i>rivalis</i> Mat. & Rack.	<i>limosum</i> Gas.
	<i>Cyclas palustris</i> Drap.	<i>iratianum</i> Dup.
	<i>Cardium amnicum</i> Mat.	<i>thermale</i> Dup.
	<i>Cyclas obliqua</i> Lam.	<i>caliculatum</i> Dup.
	<i>Pisidium obliquum</i> Pfr.	<i>sinuatum</i> Bgt.
	<i>Cyclas amnica</i> Turt.	<i>lenticulare</i> Dup.
	<i>Pera fluviatilis</i> Leach.	<i>rotundum</i> Ces.
	<i>Henslowiana</i> Leach.	<i>globulosum</i> Gas.
	<i>Pisidium inflatum</i> Meg.	<i>planum</i> Pfr.
	<i>Cyclas Pfeifferi</i> Meg.	<i>Stabileit</i> Schm.
	<i>Pisidium palustre</i> Nils.	97 <i>Pisidium conicum</i> Baud. Fr.
	<i>Pfeifferi</i> Zeigl.	98 <i>duplicatum</i> Pfr. Germ.
	<i>Cordula amnica</i> Leach.	<i>Cyclas duplicata</i> Pfr.
	<i>Pisidium Grateloupianum</i>	98 <i>Ferroense</i> Morch.
	Norm.	<i>Fer. Isl.</i>
	<i>intermedium</i> Gas.	98 <i>fuscum</i> Parr. Germ.
	<i>sulcatum</i> Parr.	98 <i>Gassiesianum</i> Dup. Fr.
96	<i>Canariense</i> Shutl. Can.	<i>P. Normandianum</i> Dup.
96	<i>casertanum</i> Bgt. Eur.	<i>tetragonum</i> Norm.
	<i>Cardium casertanum</i> Poli.	<i>Baudanianum</i> Ces.
	<i>amnicum</i> Mont.	98 <i>Henslowianum</i> Jen. Eur.
	<i>Cyclas vitrea</i> Risso.	<i>Pera Henslowiana</i> Leach.
	<i>Pera pulchella</i> Leach.	<i>Cyclas acuta</i> Pfr.
	<i>Pisidium pulchellum</i> Jen.	<i>Tellina Henslowiana</i> Shep.
	<i>australe</i> Phil.	<i>Cyclas appendiculata</i>
	<i>cinereum</i> Ald.	Turt.
	<i>Lumsternianum</i> Forb.	<i>Pisidium acutum</i> Pfr.
	<i>Cyclas pulchella</i> Hanl.	<i>Pera appendiculata</i>
	<i>cinerea</i> Hanl.	Leach.
	<i>lenticularis</i> Norm.	<i>Pisidium Jayanum</i> Gas.
	<i>Pisidium Joannis</i> McGil.	<i>Dupuyanum</i> Norm.

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Page.		Page.	
	<i>Pisidium pallidum</i> Gas.		<i>Pisidium minimum</i> Stud.
	<i>Bonnafoouxianum</i>		<i>Cyclas ovalis</i> Nils.
	Ces.		<i>Pisidium ovale</i> Pet.
	<i>Jaudouinianum</i> Gas.	101	<i>Pisidium pusillum</i> Jen. Eur.
	<i>pictum</i> Ces.		<i>Tellina pusilla</i> Gmel.
100	<i>Pisidium nitidum</i> Jen. Eur.		<i>Cyclas fontinalis</i> (pars.)
	<i>Cyclas pusilla</i> Turt.		<i>P. fontinale</i> Pfr. [Dup.
	<i>nitida</i> Hanl.		<i>Cyclas pusilla</i> Turt.
	<i>P. incertum</i> Norm.		<i>Englesa Henslowiana</i>
100	<i>obtusale</i> Pfr. Eur.		Leach.
	<i>Cyclas obtusalis</i> Lam.		<i>P. roseum</i> Scholtz.
	<i>minima</i> Stud.	101	<i>Reoluzianum</i> Bgt. Eur.
	<i>gibba</i> Ald.	102	<i>semen</i> Mke. Oceanica.
	<i>Pera gibba</i> Leach.	102	<i>supinum</i> Schmidt.

Lea.—Notice of *Mya nodulosa* Wood: by ISAAC LEA. (From Proc. Phila. Acad. Nat. Sciences, vol. vi, p. 368. June, 1853.)

[Omitted accidentally from p. 552 of Bibliography.—W. G. B.]

Page.		Page.	
368	<i>Prisodon truncatus</i> Schum.		<i>Castalia Duprei</i> Recl.
	<i>Castalia ambigua</i> Lam.	368	<i>Prisodon nodulosus</i> Lea.
368	<i>Duprei</i> Lea.		<i>Mya nodulosa</i> Wood.

GENERAL WORKS.

SCHOOL BOOKS, &c.

There have been many works on general Natural History published in America, especially for the use of schools. They contain no descriptions, but often figures of species, though they rarely refer to American species. I have therefore quoted but the following, which will serve as specimens of the class. The list may be increased from Carus' and Engelmann's Bibliography. I have consulted all the works quoted by them.

Goodrich.—Illustrated Natural History—Mollusca, vol. ii, p. 487. New York, 1859: by SAMUEL G. GOODRICH. A figure of *Unio spinosus* is given.

Gould.—A System of Natural History, containing scientific and popular descriptions of various animals: by A. A. GOULD, M. D. Boston, 1853.

Pilkington.—Natural History; abridged for the use of Schools: by MRS. PILKINGTON. Philadelphia, 1818.

[Chapter viii, p. 257, treats of Shell-Fish of the Testaceous kind.—W. G. B.]

Mayo, C.—Conchology for Schools. New York.

Goodrich, S. G.—A Pictorial Natural History for the use of Schools. Boston, 1851.

Wyatt, Thos.—A Synopsis of Natural History, embracing the Natural History of Animals, with human and general Animal Physiology, Botany, Vegetable Physiology, and Geology. Translated from the French, with additions, and arranged as a text-book: by THOMAS WYATT. With 49 plates. Philadelphia, 1849.

[This is a translation of Lemonnier.—W. G. B.]

ENCYCLOPEDIAS, &c.

I have already quoted the American editions of Nicholson's Encyclopedia (p. 254), and the Iconographic Encyclopedia (p. 248). There are American editions of several other foreign Cyclopedias containing articles on general Conchology (usually under that title). The American Encyclopedias also treat of Conchology in the same general manner. Among these works are the following:—

Ree.—REE'S ENCYCLOPEDIA. Philadelphia, 1810-24. Conchology, vol. ix, p. 470.

EDINBURGH ENCYCLOPEDIA. Philadelphia, 1832. Conchology, vol. vi, pt. 2, pp. 677-730.

ENCYCLOPEDIA AMERICANA. Philadelphia, 1835. Conchology.

Hodge.—APPLETON'S NEW AMERICAN ENCYCLOPEDIA. New York, 1855-63. Mollusca, &c. Vol. v contains the article Conchology: by JAMES THACHER HODGE. 1859.

Brande's DICTIONARY OF ARTS AND SCIENCES. New York, 1844. Article Conchology, &c.

Gregory's DICTIONARY OF ARTS AND SCIENCES. Philadelphia, 1815, 1816.

Conrad.—Remarks on the fossil Shells from Chili, collected by Lieut. Gilliss, with descriptions of the species: by T. A. CONRAD. (From the U. S. Naval Astronomical Expedition, vol. ii, p. 282. Washington, 1855. The full title will be found on p. 521.)

[The following is the only recent species described.—W. G. B.]

Page.

286 *Saxicava Caldarensis* *Conr.*

PART I.
AMERICAN AUTHORS.

**C.—WRITINGS ON FOREIGN SPECIES AND IN
FOREIGN WORKS.**



BIBLIOGRAPHY

OF

NORTH AMERICAN CONCHOLOGY.

IN order to complete the list of the Conchological writings of American authors, it becomes necessary to quote the titles of a few papers on foreign species published by them in foreign periodicals. Besides those given below, there have occurred in foreign works many criticisms, notices, translations, &c., of papers published by American authors in American books. Some few of these have been referred to in the previous pages of my Bibliography. Many more will be given in Part II, especially in the quotations from the *Isis*, *Journal de Conchyliologie*, *Zeitschrift für Malakozoologie*, *Malakozoolische Blätter*, *Bulletin Zoologique*, *Bibliographie Conchyliologique*, and *Archiv für Naturgeschichte*.

Rafinesque.—(See former pp. 403, 488.)

Lea.—Description of a new genus of the family *Melaniana*, and of many new species of the genus *Melania*, chiefly collected by Hugh Cuming, Esq., during his Zoological Voyage to the East, and now first described: by ISAAC LEA and HENRY CAREY LEA. (From the Proc. of the Zoological Society of London, vol. xviii, No. 212, p. 179, 1850; also distributed in a separate pamphlet, and published in *Annals of Nat. Hist.*, Second Series, vol. ix, p. 58.) And

Lea.—Description of five new species of Anodonta, collected by Hugh Cuming, Esq., in the East Indies. (From same as last, p. 197, and Ann. of Nat. Hist., Second Series, vol. viii, p. 493.)

Gould.—On the Nautilus umbilicatus of Lister : by AUG. A. GOULD, M. D. (From Proc. Zoological Soc. of London, 1857, p. 20 ; and Ann. and Magazine of Nat. History, Second Series, vol. xx, No. 115, p. 57. July, 1857.)

Zool. Soc. Page.	MAG. N. H. Page.	
21	59	<i>Nautilus umbilicatus</i> List.
21	59	<i>scrobiculatus</i> Solander.
		<i>N. pompilius</i> (var. ♂) Gmel.
		<i>crassus, umbilicatus</i> Chemn.
		<i>umbilicatus</i> Knorr.

Newcomb, W., M. D.—Descriptions of seventy-nine new species of Achatinella, *Swains.*, a genus of Pulmoniferous Mollusks, in the collection of Hugh Cuming. With three plates. (From Proc. Zool. Soc. London, 1853, p. 128.)

Newcomb, W., M. D.—Abstract of descriptions of some animals of Achatinella, and other remarks. (From same, 1854, p. 310.)

Lesueur, C. A.—Mémoire sur quelques nouvelles espèces d'animaux Mollusques et Radiaires de la Méditerranée, in Nouv. Bull. Scienc. Soc. Philom., tom. iii, 1813, pp. 281–285.

Lesueur, C. A.—Histoire du genre Firola : par FRC. PERON et C. A. LESUEUR. (From Annales du Muséum, xv, 1810, pp. 70–75.)

Carpenter, P. P.—Descriptions of new species of Shells collected by Mr. T. Bridges in the Bay of Panama and its vicinity. (From Proc. Zool. Soc. London, 1856, p. 159.)

[Other papers are contained in the Proc. Zool. Soc. London, and will be quoted from thence.—W. G. B.]

Adams, Bland, Lea.—In the *Journal de Conchyliologie* are notices and translations of several of the papers of Messrs. ADAMS, BLAND and LEA. They will be quoted in the Second Part of the Bibliography.

Agassiz, L.—*Mémoires sur les Moules de Mollusques vivants et fossiles.* (From. *Mém. de la Soc. des Sciences Naturelles de Neuchatel*, tome ii, 1839.)

Agassiz, L.—Notice sur le *Mya alba* de Porto Rico. (From same as last, vol. ii, 1839.)

Agassiz, L.—Note sur le genre *Pyrula* de Lamarck (in *Bull. de la Soc. Sc. Nat. Neuchatel*, tome i, 1844, p. 69).

Agassiz, L.—Notice sur les Moules du Musée de Neuchatel (in *Bull. Soc. Imp. Natur. Moscow*, 1839, p. 415).



APPENDIX I.

TO

**PART I., SECTION A., AMERICAN WRITINGS
ON AMERICAN SPECIES.**



BIBLIOGRAPHY

OF

NORTH AMERICAN CONCHOLOGY.

Read.—Catalogue of the Marine, Fluvial, and Terrestrial Shells of Massachusetts: by WILLIAM READ, M. D. Lynn, Nov. 1845.

[No descriptions are given.—W. G. B.]

No.		No.	
22	<i>Teredo navalis</i> Linn.	38	<i>Pandora trilineata</i> Say. <i>P. nasuta</i> Sowb.
23	<i>Pholas costata</i> Linn.	39	<i>Osteodesma hyalina</i> Couth. <i>Mya hyalina</i> Conr.
24	<i>crispata</i> Linn.	40	<i>Anatina papyratia</i> Say.
25	<i>Solen ensis</i> Linn.	41	<i>Cochlodesma Leana</i> Couth. <i>Anatina Leana</i> Conr.
26	<i>viridis</i> Say.	42	<i>Thracia Conradi</i> Couth. <i>T. declivis</i> Conr.
27	<i>Solecortus Caribæus</i> Conr. <i>Solen Caribæus</i> Lam.	43	<i>Mactra solidissima</i> Chemn. <i>M. gigantea</i> Lam.
28	<i>fragilis</i> Conr. <i>Solen fragilis</i> Pult. <i>centralis</i> Say.	44	<i>ovalis</i> Gould. <i>M. similis</i> Gray.
29	<i>Machæra costatus</i> Gould. <i>Solecortus costatus</i> Say.	45	<i>lateralis</i> Say.
30	<i>nitida</i> Gould.	46	<i>Cumingia tellinoides</i> Conr. <i>Mactra tellinoides</i> Conr.
31	<i>Solemya borealis</i> Totten.	47	<i>Mesodesma arotata</i> Gould. <i>Mactra arotata</i> Conr.
32	<i>velum</i> Say.	48	<i>Jaressall De Joannis.</i>
33	<i>Panopæa arotica</i> Gould. <i>Glycymeris arctica</i> Lam.	49	<i>Montacuta bidentata</i> Gld.
34	<i>Glycymeris alliqua</i> Lam.	50	<i>Kellia rubra</i> Tur.
35	<i>Mya arenaria</i> Linn. <i>M. mercenaria</i> Say.	51	<i>Saxicava distorta</i> Say.
36	<i>truncata</i> Linn.		
37	<i>Corbula contracta</i> Say.		

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|---|---|
| <p>No.
 52 Petricola pholadiformis
 <i>P. fornicata</i> Say. [Lam.
 53 dactylus Sowb.
 54 Sanguinolaria fusca Conr.
 <i>Psammobia fusca</i> Say.
 55 sordida Gould.
 <i>Tellina sordida</i> Couth.
 56 Tellina tenera Say.
 57 tenta Say.
 58 calcaria.
 59 Lucina radula Gould.
 <i>Tellina radula</i> Mont.
 60 divaricata Lam.
 61 flexuosa Gould.
 <i>Cryptodon flexuosa</i> Turt.
 62 Cyolas dubia Say.
 63 elegans Ad.
 64 partumela Say.
 65 similis Say.
 66 Astarte castanea Say.
 <i>Crassina castanea</i> Lam.
 67 lactea Br. & Sowb.
 68 quadrans Gould.
 69 sulcata Fleming.
 <i>Venus sulcata</i> Mont.
 <i>Crassina sulcata</i> Lam.
 <i>A. Danmoniensis</i> Sowb.
 70 Cyprina islandica Lam.
 <i>Venus islandica</i> Linn.
 71 Cytherea convexa Say.
 72 Venus mercenaria Linn.
 73 notata Say.
 74 præparca (var.) Say.
 75 fluctuosa Gould.
 76 gemma Totten. [Chemn.
 77 Cardium Groenlandicum
 78 islandicum Linn.
 <i>C. pubescens</i> Couth.
 79 Mortoni Conr.
 80 pinnulatum Conr.
 81 Cardita borealis Conr.
 82 Arca pexata Say.
 83 transversa Say.
 84 Nucula limatula Say.</p> | <p>No.
 85 Nucula minuta Turt.
 <i>N. tenuisulcata</i> Couth.
 86 myalis Couth.
 87 navicularis Couth.
 88 proxima Say.
 89 sapotilla Gould.
 90 tenuis Turt.
 91 thraciæformis Storer.
 92 Unio complanatus Lea.
 <i>U. purpureus</i> Say.
 93 cariosus Say.
 94 nasutus Say.
 95 radiatus Barnes.
 96 ochraceus Say.
 97 Alasmodon arcuata Barnes.
 98 marginata Say.
 99 undulata Barnes.
 <i>Unio undulata</i> Say.
 100 Anodon fluviatilis Lea.
 <i>A. cataracta</i> Say.
 101 implicata Say.
 102 undulata Say.
 103 Mytilus edulis Linn.
 104 var. pellucidus Pennant.
 105 Modiola barbata Lam.
 106 discors Flem.
 107 discrepans Gould.
 <i>Mytilus discrepans</i> Mont.
 108 glandula Totten.
 109 modiolus Turt.
 <i>M. papuana</i> Lam.
 110 nexa Gould.
 111 pectinula Gould.
 112 plicatula Lam.
 113 Pecten concentricus Say.
 114 islandicus Chemn.
 <i>P. Pealii</i> Conr.
 115 Magellanicus Lam.
 116 Ostrea borealis Lam.
 <i>O. edulis</i> Linn.
 117 virginiana List.
 118 Anomia aculeata Gmel.
 119 squamula Linn.
 120 ephippium Linn.</p> |
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No.		No.	
121	Terebratula caput-ser- pentis Lam.	159	Helix monodon Rack.
	<i>T. septentrionalis</i> Couth.		<i>H. fraterna</i> Say.
122	palitacea Gmel.	160	hirsuta Say.
123	Chiton albus Mont.		<i>H. fraterna</i> Wood.
	<i>C. sagrinatus</i> Couth.	161	pulchella Müll.
124	apiculatus Say.		<i>H. minuta</i> Say.
125	annus Sowb.	162	striatella Anth.
	<i>C. Emersonii</i> Couth.	163	thyroidus Say.
126	fulminatus Couth.	164	tridentata Say.
127	marginatus Pennant.	165	Pupa contracta Say.
128	ruber Lowe.	166	curvidens Gould.
129	Patella candida Couth.	167	exigua Say.
130	Lottia alveus Gould.	168	fallax Say.
131	testudinalis Gould.	169	milium Gould.
	<i>Patella amana</i> Say.	170	modesta Say.
132	— (sp. ind.)	171	simplex Gould.
133	Dentalium dentale Linn.	172	Tappaniana Ward.
134	Cemoria noachina Gould.	173	Bulinus lubricus Brug.
	<i>Patella noachina</i> Linn.	174	Succinea avara Say.
135	Crepidula convexa Say.	175	campestris Say.
136	fornicata Lam.	176	ovalis Say.
137	glauca Say.	177	Auricula bidentata Gould.
138	plana Say.		<i>Melampus bidentatus</i> Say.
139	Bulla canaliculata Gould	178	denticulata Gould.
140	debilis Gould.	179	Planorbis armigerus Say.
141	Gouldii Couth.	180	biaratus Say.
142	hiemalis Couth.	181	campanulatus Say.
143	insculpta Totten.	182	deflectus Say.
144	lineolata Couth.	183	dilatatus Gould.
145	obstriota Gould.	184	elevatus Ad.
146	oryza Totten.	185	exacutus Say.
147	triticea Couth.	186	hirsutus Gould.
148	Helix albo-labris Say.	187	lentus Say.
149	alternata Say.	188	parvus Say.
	<i>H. scabra</i> Lam.	189	trivolvus Say.
150	arborea Say.	190	virens .
151	cellaria Müll.	191	Physa anollaria Say.
152	ohersina Say.	192	elongata Say.
153	electrina Gould.	193	heterostropha Say.
154	hortensis Müll.	194	Limnæa columella Say.
155	subglobosa (var.) Binn.	195	ohalybea (var.) Gould.
156	lineata Say.	196	catascopium Say.
157	indentata Say.	197	elodes Say.
158	labyrinthica Say.	198	desidicus Say.

- | No. | | No. | |
|-----|---|-----|---|
| 199 | Limnæa macrostoma Say.
<i>L. acuminata</i> Ad. | 232 | Margarita undulata Sowb.
<i>Turbo incarnatus</i> Couth. |
| 200 | modicellus Say. | 233 | Littorina palliata Gould.
<i>Turbo palliatus</i> Say. |
| 201 | umbilicata Ad. | 234 | rudis Gould.
<i>Turbo obligatus</i> Say. |
| 202 | Ancylus fuscus Ad. | 235 | tenebrosa Gould.
<i>Turbo vestitus</i> Say. |
| 203 | rivularis Say. | 236 | Lacuna neritoidea Gould. |
| 204 | Valvata pupoidea Gould. | 237 | vinota Gould.
<i>L. pertusa</i> Conr. |
| 205 | tricarinata Say. | 238 | fusca (var.) Ad. |
| 206 | Paludina decisa Say. | 239 | Cingula aculeus Gould.
<i>Turbo aculeus</i> Ad. |
| 207 | Amnicola porata Say. | 240 | minuta Gould.
<i>Turbo minuta</i> Totten. |
| 208 | Natica canaliculata Gould. | 241 | Turritella erosa Couth. |
| 209 | clausa Brod.
<i>N. consolidata</i> Couth. | 242 | interrupta Totten. |
| 210 | duplicata Say. | 243 | Pyramis striatula Couth. |
| 211 | flava Gould. | 244 | Odostomia exigua Gould.
<i>Jaminiæ exigua</i> Couth. |
| 212 | heros Say. | 245 | fusca Gould. |
| 213 | immaculata Totten. | 246 | producta Gould.
<i>Jaminiæ producta</i> Ad. |
| 214 | pusilla Say. | 247 | seminuda Gould. |
| 215 | triseriata Say. | 248 | trifida Gould.
<i>Acteon trifidus</i> Totten. |
| 216 | — (sp. ind.) | 249 | Cerithium Emersonii Ad. |
| 217 | Janthina fragilis Brug. | 250 | Greenii Ad. |
| 218 | Velutina lævigata Gould.
<i>V. rupicola</i> Conr. | 251 | nigrocinctum Ad. |
| 219 | zonata Gould. | 252 | terebrale Ad. |
| 220 | Sigaretus hallotoideus Lam.
<i>Oxynoe glabra</i> Couth. | 253 | Sayi Mks.
<i>C. reticulatum</i> Totten. |
| 221 | Tornatilla puncto-striata
Ad. | 254 | Pleurotoma decussata Cth. |
| 222 | Vermetus lumbricallis Lam. | 255 | bicarinata Couth. |
| 223 | Skenea serpuloides Flem.
<i>Delphinula serpuloides</i>
Ad. | 256 | plicata Ad. |
| 224 | Soalaria Groenlandica Gld.
<i>S. subulata</i> Couth. | 257 | Cancellaria Couthouyi Jay.
<i>C. buccinoides</i> Couth. |
| 225 | lineata Say. | 258 | Fusus bamffius Flem. |
| 226 | multistriata Say. | 259 | decemcostatus Say. |
| 227 | nov-angliæ Couth. | 260 | harpularius Couth. |
| 228 | Margarita cinerea Gould.
<i>Turbo cinereus</i> Couth. | 261 | islandicus Mart.
<i>F. corneus</i> Say. |
| 229 | argentea Gould. | 262 | muriceatus Brown. |
| 230 | arctica Leach.
<i>Turbo inflatus</i> Totten. | | |
| 231 | obscura Gould.
<i>Turbo obscurus</i> Couth. | | |

No.		No.	
263	<i>Fusus rufus</i> Gould.	277	<i>Buccinum ciliatum</i> Gould.
264	<i>pygmaeus</i> (var.) Gould.		<i>B. ventricosum</i> Kien.
265	<i>scalariformis</i> Gould.	278	<i>Donovani</i> Gray.
266	<i>tornatus</i> Gould.	279	<i>lunatum</i> Ad.
267	<i>turricula</i> Flem.	280	<i>obsoletum</i> Ad.
268	<i>ventricosus</i> Gray.	281	<i>pliosum</i> Mke.
269	<i>Pyrula canaliculata</i> Brug.		<i>Fusus cinereus</i> Say.
270	<i>carica</i> Brug.	282	<i>rosaceum</i> Gould.
271	<i>Ranella caudata</i> Say.	283	<i>trivittatum</i> Ad.
272	<i>Rostellaria occidentalis</i> Beck.		<i>Nassa trivittata</i> Say.
273	<i>Trichotropis borealis</i> Sowb. <i>T. costellatus</i> Couth.	284	<i>undatum</i> Linn.
274	<i>Purpura lapillus</i> Lam.	285	<i>vibex</i> Ad.
275	<i>imbricata</i> (var.) Lam.		<i>Nassa vibex</i> Say.
276	<i>bizonalis</i> (var.) Lam.	286	<i>Columbella avara</i> Say.
		287	<i>Spirula Peronii</i> Lam.

Hubbard.—Catalogue of Terrestrial and Fluvial Shells of Ohio, in the collection of EBER W. HUBBARD, Elyria, Ohio.

[No descriptions are given.—W. G. B.]

No.		No.	
1	<i>Amnicola Cincinnatiensis</i> Anth.	13	<i>Cycas dubia</i> Say.
	<i>Paludina Cincinnatiensis</i>	14	<i>partumeia</i> Say.
2	<i>Integra</i> Say. [Anth.		<i>C. cornea</i> (var.) Lam.
	<i>Melania integra</i> Say.	15	<i>similis</i> Say.
3	<i>lapidaria</i> Say.		<i>C. sulcata</i> Lam.
	<i>Cyclostoma lapidaria</i> Say.	16	<i>Helix albolabris</i> Say.
4	<i>lustrica</i> Say.	17	<i>alternata</i> Say.
	<i>Paludina lustrica</i> Say.		<i>H. scabra</i> Lam.
5	<i>Sayana</i> Anth.		<i>radiata</i> Gmel.
	<i>Cyclostoma Sayana</i> Anth.	18	<i>appressa</i> Say.
	<i>Cincinnatiensis</i> Lea.		<i>H. linguifera</i> Fer.
6	<i>Anculosa costata</i> Anth.	19	<i>arborea</i> Say.
7	<i>isogona</i> Say.	20	<i>clausa</i> Say.
	<i>Melania isogona</i> Say.		<i>H. Mitchelliana</i> Lea.
	<i>Paludina pallida</i> Lea.	21	<i>ohersina</i> Say.
8	<i>præorsa</i> Say. [Lea.	22	<i>concava</i> Say.
	<i>Melania Cincinnatiensis</i>		<i>H. planorboides</i> Fer.
9	<i>Ancylus diaphanus</i> Hald.		<i>Vancouverensis</i> Lea.
10	<i>rivularis</i> Say.	23	<i>electrina</i> Gould.
11	<i>Bulimus lubricus</i> Brug.	24	<i>elevata</i> Say.
12	<i>vermetus</i> Anth.		<i>H. Knoxvilleana</i> Fer.
		25	<i>fallax</i> Say.

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|-----|-------------------------------|-----|----------------------------------|
| No. | | No. | |
| 26 | Helix fraterna Say. | 49 | Helix suppressa Say. |
| | <i>H. monodon</i> Wood. | 50 | tridentata Say. |
| | <i>conveza</i> Desh. | 51 | thyroidus Say. |
| 27 | fuliginosa Griffith. | 52 | zaleta Say. |
| | <i>H. lucubrata</i> Say. | 53 | Limnea caperata Say. |
| | <i>levigata</i> Fer. | 54 | desidiosa Say. |
| 28 | hirsuta Say. | | <i>L. curta</i> Lea. |
| | <i>H. fraterna</i> Wood. | 55 | elodes Say. |
| 29 | indentata Say. | 56 | humilis Say. |
| 30 | inflecta Say. | 57 | reflexa Say. |
| | <i>H. clausa</i> Fer. | | <i>L. exilis</i> Lea. |
| 31 | inornata Say. | 58 | jugularis Say. |
| 32 | interna Say. | | <i>L. speciosa</i> Rossmasler. |
| | <i>H. pomum</i> Adami Green. | 59 | umbrosa Say. |
| 33 | intertexta Binney. | 59½ | columella Say. |
| 34 | labyrinthica Say. | 60 | Melania canaliculata Say. |
| 35 | ligera Say. | 61 | conica Say. |
| | <i>H. Rafinesquea</i> Fer. | 62 | depygis Say. |
| | <i>Wardiana</i> Lea. | 63 | exilis Hold. |
| 36 | limatula Ward. | | <i>M. Kirtlandianus</i> Lea. |
| 37 | lineata Say. | 64 | gracilis Anth. |
| 38 | minuscula Binney. | 65 | Sayii Wood. |
| | <i>H. minutissima</i> Lea. | 66 | excurata Conr. |
| 39 | monodon Rack. | 67 | undulata Say. |
| | <i>H. Leaii</i> Ward. | 68 | varicosa Ward. |
| 40 | multilineata Say. | 69 | Paludina heterostropha |
| 41 | palliat Say. | 70 | integra Say. [Kirt. |
| | <i>H. obstricta</i> Say. | 71 | ponderosa Say. |
| | <i>denotata</i> Say. | 72 | subcarinata Say. |
| | <i>Carocolla Helicoides</i> | | <i>P. carinata</i> Valenciennes. |
| | Lea. | 73 | Physa ancillaria Say. |
| | <i>Carocolla Carolinensis</i> | | <i>P. Sayii</i> Tappan. |
| | Lea. | 74 | elongata Say. |
| 42 | Pennsylvanica Green. | 76 | gyrini Say. |
| 43 | perspectiva Say. | | <i>P. elliptica</i> Lea. |
| | <i>H. parvula</i> Desh. | 77 | heterostropha Say. |
| 44 | profunda Say. | | <i>P. aurea</i> Lea. |
| | <i>H. Richardi</i> Lam. | 78 | Planorbis armigerus Say. |
| 45 | pulchella Müll. | 79 | bicarinatus Say. |
| | <i>H. minuta</i> Say. | 80 | campanulatus Say. |
| | <i>paludosa</i> Mont. | 81 | concavus Anth. |
| 46 | Sayii Binney. | 82 | corpulentus Say. |
| | <i>H. diodonta</i> Say. | 83 | deflectus Say. |
| 47 | solitaria Say. | 84 | dilatatus Gould. |
| 48 | striatella Anth. | | <i>P. lens</i> Lea. |

No.		No.	
85	Planorbis exaoutus Say. <i>Paludina hyalina</i> Lea.		<i>U. ellipticus</i> Barnes. <i>venustus</i> ? Lea.
86	lentus Say.	107	Unio cylindricus Say. <i>U. solenoides</i> Raf. <i>naviformis</i> Lam.
87	parvus Say.		
88	trivolvus Say.	108	cyphius Raf. <i>U. zæopus</i> Green.
89	Pupa albilabris Ward. <i>Cyclostoma marginata</i>	109	dilatatus Raf. <i>U. gibbosus</i> Barnes. <i>nasutus</i> Lam. <i>arctior</i> Lea.
90	armifera Say. [Say.		
91	contracta Say.	110	flavus Raf. <i>U. rubiginosus</i> Lea. <i>trigonus</i> Lea.
92	corticaria Say.	111	fasciolus Raf. <i>U. multiradiatus</i> Lea.
93	exigua Say.	112	fasciolaris Raf. <i>U. phaseolus</i> Hild. <i>planulatus</i> Lea. <i>camelus</i> Lea.
94	modesta Say.		
95	Succinea campertris Say. <i>S. retusa</i> Lea.	113	flexuosus Raf. <i>U. foliatus</i> Hild.
96	avara Say.	114	fragilis Raf. <i>U. gracilis</i> Barnes.
97	ovalis Say.	115	fragosus Conr.
98	Valvata sincera Say.	116	gibbosus Raf. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea. <i>Rangianus</i> Lea. <i>capsæformis</i> Lea.
99	tricarinata Say. <i>V. bicarinata</i> Lea.	117	heros Say. <i>U. undulatus</i> Say. <i>multiplicatus</i> Lea.
100	Unio alasmodontinus Barn. <i>U. compressus</i> Lea.	118	lappillus Say. <i>U. fabalis</i> Lea. <i>Troostensis</i> Lea.
101	alatus Say. <i>U. megapterus</i> Raf.	119	leptodon Raf. <i>U. planus</i> Barnes. <i>velum</i> Say. <i>purpurascens</i> Swains. <i>tenuissimus</i> Lea.
102	bullatus Raf. <i>U. prasinus</i> Conr. <i>Schoolcraftensis</i> Lea. <i>pustulosus</i> Lea. <i>Dorfeuillanus</i> Lea.	120	lineolatus Raf. <i>U. depressus</i> Raf. <i>securis</i> Lea.
103	cardium Raf. <i>U. ventricosus</i> Barnes. <i>occidens</i> Lea. <i>sub-ovatus</i> Lea. <i>dolabræformis</i> Lea.		
104	cicatriosus Say. <i>U. varicosus</i> Lea.		
105	cuneatus Raf. <i>U. modioliformis</i> Say. <i>scalenius</i> Raf. <i>patulus</i> Lea. <i>decisus</i> ? Lea.		
106	crassus Say. <i>U. ellipsarius</i> Raf. <i>fasciatus</i> Raf. <i>ligamentina</i> Lam. <i>carinatus</i> Barnes.		

- | No. | | No. | |
|------|---|-----|--|
| 121 | Unio metanevrus Raf.
<i>U. nodosus</i> Barnes. | 136 | Unio politus Say.
<i>U. subrotundus</i> Lea. |
| 122 | monodontus Say.
<i>U. soleniformis</i> Lea. | | <i>Kirtlandianus</i> Lea. |
| 123 | mytiloides Raf.
<i>U. cordatus</i> Raf.
<i>undatus</i> Barnes.
<i>pyramidatus</i> Lea.
<i>solidus</i> Lea. | 137 | quadrulus Raf.
<i>U. rugosus</i> Barnes.
<i>lachrymosus</i> Lea.
<i>asperrimus</i> Lea. |
| 124 | nasutus Say.
<i>U. rostratus</i> Val.
<i>Vaughanianus</i> ? Lea. | 138 | rubrum Raf.
<i>U. coccineus</i> Hild.
<i>Gouldianus</i> Ward.
<i>catillus</i> Conr. |
| 125 | nervosus Raf.
<i>U. donaciformis</i> Lea.
<i>zig-zag</i> Lea. | 139 | reflexus Raf.
<i>U. cornutus</i> Barnes. |
| 126 | nigrum Raf.
<i>U. cuneatus</i> Barnes.
<i>gibber</i> Lea. | 140 | rectus Lam.
<i>U. latissimus</i> Raf.
<i>prolongus</i> Barnes. |
| 127 | nodulatus Raf.
<i>U. pustulatus</i> Lea. | 141 | Sayii Ward. |
| 128 | obliquatus Raf.
<i>U. sulcatus</i> Lea.
<i>ridibundus</i> Say. | 142 | siliquoideus Barnes.
<i>U. inflatus</i> Barnes.
<i>Hydianus</i> Lea. |
| 129 | obovallis Raf.
<i>U. ebenus</i> Lea. | 143 | stegarius Raf.
<i>U. irroratus</i> Lea. |
| 130 | Ohioensis Raf.
<i>U. levissimus</i> Lea.
<i>inflatus</i> Lea. | 144 | striatus Raf.
<i>U. Cooperianus</i> Lea. |
| 131 | olivarius Raf.
<i>U. ellipsis</i> Lea. | 145 | subrostratus Say.
<i>U. iris</i> Lea. |
| 132 | orbiculatus Hild.
<i>U. abruptus</i> Say. | 146 | subrotundus Raf.
<i>U. circulus</i> Lea.
<i>lens</i> Lea. |
| 133 | ovatus Say.
<i>U. globosus</i> Lea.
<i>capax</i> Green. | 147 | teres Raf.
<i>U. anodontoides</i> Lea. |
| 134 | parvus Barnes. | 148 | torsus Raf. |
| 134½ | personatus Say.
<i>U. pileus</i> Lea.
<i>plenus</i> Lea.
<i>Sowerbianus</i> Lea. | 149 | triquetrus Raf.
<i>U. cuneatus</i> Swains.
<i>triangularis</i> Barnes.
<i>formosus</i> Lea. |
| 135 | plicatus Say.
<i>U. variplicatus</i> Lam.
<i>costatus</i> Raf.
<i>Peruvianus</i> Lam. | 150 | truncatus Raf.
<i>U. elegans</i> Lea. |
| | | 151 | tuberculatus Raf.
<i>U. tuberculosus</i> Val.
<i>verrucosus</i> Barnes.
<i>graniferus</i> Lea. |
| | | 152 | undulatus Barnes. |
| | | 153 | verrucosus Raf.
<i>U. tuberculatus</i> Barnes. |

No.		No.	
154	Anodonta cataraeta Say. <i>A. exilis</i> Lea. <i>salmonæ</i> Lea. <i>Pepiniana</i> Lea.	158½	Alasmodonta ambigua Say. <i>Unio Hildrethianus</i> Lea.
155	Ferrussaciana Lea.	159	calceola Lea.
156	grandis Say. <i>A. plana</i> Lea. <i>decora</i> Lea. <i>gigantea</i> Lea.	160	complanata Barnes.
157	imbecillis Say. <i>A. incerta</i> Lea.	161	costata Raf. <i>A. rugosa</i> Barnes.
158	lata Raf. <i>Unio dehiscens</i> Say. <i>oriens</i> Lea.	162	edentula Say. <i>Anodonta undulata</i> Say. <i>areolata</i> ? Sw. <i>rugosa</i> ? Swains. <i>Wardiana</i> Lea. <i>pavonia</i> Lea. <i>Buchanensis</i> Lea.
		163	truncata Say.

Say, Conrad, Toumey, Holmes, Morton, &c.—

In the various publications which have appeared on the fossil Shells of America will be found information regarding many species supposed to be identical with recent species.

Mrs. Sheppard, of Woodfield, on the recent Shells which characterize Quebec and its environs. (From Transactions of the Literary and Historical Society of Quebec, vol. i, p. 188. Quebec, 1829.)

[Descriptions of genera and species are given.—W. G. B.]

Page.		Page.	
189	Solen ———.	195	Planorbis spirorbis .
190	Mya arenaria .	195	alba ? <i>Helix alba</i> Linn.
190	Venus mercenaria .	195	———.
191	Unio sinuata .	195	Physa fontinalis .
191	<i>radiata</i> .	195	<i>subopaca</i> .
191	<i>nana</i> .	196	Lymnæa stagnalis .
192	Modiola plicatula .	196	<i>palustris</i> .
192	Mytelus borealis .	196	Paludina ———.
192	Ostrea canadensis .	196	———.
193	Crepidula fornicata .	197	Natica magdalena .
193	Helix hortensis .	197	Buccinum ———.
194	———.	198	———.
194	Carocolla dubia .		
194	Succinea amphibia .		

Rafinesque.—I have been unable to obtain access to two works of this author, in both of which occur descriptions of Mollusca.

Rafinesque.—Journal Encyclopedique de la Sicile.

Rafinesque.—Analyse de la Nature, ou Tableau de l'Univers et des corps organisés. Palerme, 1825.

Jarvis, J.—On the Tereido, or salt-water worm. (In Proc. Nat. Inst. Washington, New Series, vol. i, No. 2, 1856, pp. 60–67.)

D'Urban.—Catalogue of Animals and Plants collected and observed in the valley of the River Rouge and the neighboring townships, in the counties of Argenteuil and Ottawa: by Mr. W. S. M. D'URBAN, Assistant to Sir William Logan, in 1858. (From the Geological Survey of Canada. Report of Progress for the year 1858. Montreal, 1859.)

[Localities, but no descriptions, are given.—W. G. B.]

Page.		Page.	
241	<i>Tebennophorus Carol-</i>	241	<i>Vertigo Gouldii Binney.</i>
	<i>nensis</i> <i>Bosc.</i>	241	<i>Pupa</i> ———.
241	<i>Succinea obliqua</i> <i>Say.</i>	241	<i>Carychium exiguum</i> <i>Say.</i>
241	<i>Helix albolabris</i> <i>Say.</i>	241	<i>Physa heterostropha</i> <i>Say.</i>
241	<i>exoleta</i> <i>Binney.</i>	241	<i>aurea</i> <i>Lea.</i>
241	<i>monodon</i> <i>Rack.</i>	242	<i>elliptica</i> <i>Lea.</i>
241	<i>concava</i> <i>Say.</i>	242	<i>elongata</i> <i>Say.</i>
241	<i>pulchella</i> <i>Müll.</i>	242	<i>Limnæa exigua</i> <i>Lea.</i>
241	<i>Sayii</i> <i>Binney.</i>	242	<i>galbanus</i> <i>Say.</i>
241	<i>labyrinthica</i> <i>Say.</i>	242	<i>plicata</i> <i>Lea.</i>
241	<i>alternata</i> <i>Say.</i>	242	<i>reflexa</i> <i>Say.</i>
241	<i>striatella</i> <i>Anth.</i>	242	<i>umbilicata</i> <i>Say.</i>
241	<i>arborea</i> <i>Say.</i>	242	<i>Planorbis trivolvus</i> <i>Say.</i>
241	<i>cherrina</i> <i>Say.</i>	242	<i>bicarinatus</i> <i>Say.</i>
241	<i>lineata</i> <i>Say.</i>	242	<i>campanulatus</i> <i>Say.</i>
241	<i>Bullimus marginatus</i> <i>Say.</i>	242	<i>parvus</i> <i>Say.</i>
241	<i>Achatina lubrica</i> <i>Müll.</i>	242	<i>deflectus</i> <i>Say.</i>

Page.		Page.	
242	<i>Paludina decisa</i> Say.	243	<i>Anodonta fragilis</i> Linn.
242	<i>Valvata tricoarinata</i> Say.	243	<i>Footiana</i> Lea.
242	<i>Unio complanatus</i> Lea.	243	<i>Cyclos similis</i> Say.
242	<i>Margaritana rugosa</i> Barnes.	243	<i>partumeia</i> ? Say.
242	<i>Anodonta cygnea</i> ? Linn.	243	<i>dubia</i> ? Say.
243	<i>edentula</i> Say.		

Bell.—Catalogue of Animals and Plants collected and observed on the southeast side of the St. Lawrence, from Quebec to Gaspé, and in the counties of Rimouski, Gaspé and Bonaventure: by Mr. ROBERT BELL, Jr., Assistant to Mr. James Richardson, Geological Explorer under Sir William Logan, in 1858. (From same as last, p. 243.)

Page.		Page.	
251	<i>Helix alternata</i> Say.	252	<i>Limnæa catascopium</i> Say.
251	<i>albolabris</i> Say.	252	<i>apacina</i> Lea.
251	<i>monodon</i> Rack.	252	<i>acuta</i> Lea.
251	<i>Sayli</i> Binney.	252	<i>umbilicata</i> Say.
251	<i>concava</i> Say.	252	<i>reflexa</i> Say.
251	<i>hortensis</i> Müll.	252	<i>pallida</i> Ad.
251	<i>arborea</i> Say.	252	<i>modicella</i> Say.
251	<i>striatella</i> Anth.	252	<i>parva</i> Lea.
251	<i>lineata</i> Say.	252	<i>decollata</i> Say.
251	<i>labyrinthica</i> Say.	252	<i>alternata</i> .
252	<i>pulchella</i> Müll.	253	<i>Planorbis trivolvis</i> Say.
252	<i>asteriscus</i> Morse.	253	<i>campanulatus</i> Say.
252	<i>ohersina</i> Say.	253	<i>bicoarinatus</i> Say.
252	—.	253	<i>parvus</i> Say.
252	<i>Succinea avara</i> Say.	253	<i>deflectus</i> Say.
252	<i>ovalis</i> Gould.	253	<i>Amnicola porata</i> Say.
252	<i>obliqua</i> Say.	253	<i>Valvata tricoarinata</i> Say.
252	<i>Achatina lubrica</i> Müll.	253	<i>humeralis</i> Say.
252	<i>Bulimus harpa</i> Say.	253	<i>sincera</i> Say.
252	<i>Vitrina pellucida</i> Dr. [Gld.]	253	<i>Fusus scalariformis</i> Gould.
252	<i>Pupa (Vertigo) simplex</i>	253	<i>gracilis</i> Alder.
252	<i>Physa heterostropha</i> Say.	253	<i>tornatus</i> Gould.
252	<i>aurea</i> Lea.	253	<i>decemcostatus</i> Say.
252	<i>elongata</i> Say.	253	<i>rufus</i> Gould.
252	<i>ancillaria</i> Say.	253	<i>Bamffius</i> Flem.
252	<i>marginata</i> Say.	253	<i>Bela cancellata</i> M. & A.
252	<i>Limnæa stagnalis</i> Linn.	253	<i>Pleurotoma bicoarinata</i> ? Couth.
252	<i>caperata</i> Say.		
252	<i>umbrosa</i> Say.	253	<i>Buccinum undatum</i> L.

Page.		Page.	
253	<i>Buccinum Donovanii</i> Gray.	254	<i>Solen ensis</i> Linn.
253	<i>Nassa trivittata</i> Say.	254	<i>Tellina proxima</i> Brown.
253	<i>obsoleta</i> Say.	254	<i>Grœnlandica</i> Beck.
253	<i>Purpura lapillus</i> Lam.	254	<i>Mastra ovalis</i> Gould.
253	<i>Trichotropis borealis</i> Sowb.	254	<i>Mesodesma arotatum</i> Gld.
253	<i>Velutina hallotoides</i> Mull.	254	<i>Venus gemma</i> Totten.
253	<i>Lamellaria perspicua</i> Loven.	254	<i>Aphrodite Grœnlandica</i> St.
253	<i>Natica heros</i> Say.	254	<i>Cardium Islandicum</i> Linn.
	<i>N. ampullaria</i> Lam.	254	<i>Cardita borealis</i> Conr.
253	<i>clausa</i> Br. & Sowb.	254	<i>Astarte sulcata</i> Costa.
253	<i>triseriata</i> Say.	254	<i>elliptica</i> Brown.
253	<i>flava</i> Gould?	254	<i>compressa</i> Mont.
253	<i>helicoides</i> Johnston.	254	<i>Lucina flexuosa</i> Gould.
253	<i>Chemnitzia</i> ———.	254	<i>Lima subauriculata</i> Mont.
253	<i>Aphorhais occidentalis</i>	254	<i>Mytilus edulis</i> Linn.
253	<i>Rissoa minuta</i> St. [Gould.	255	<i>Modiola discors</i> Linn.
253	<i>Lacuna vinota</i> Turt.	255	<i>plicatula</i> Lam.
253	<i>Littorina littoralis</i> F. & H.	255	<i>glandula</i> Totten.
	<i>L. palliata</i> Gould.	255	<i>pectinula</i> Gould.
254	<i>rudis</i> Gould.	255	<i>nexa</i> Gould.
	<i>L. tenebrosa</i> Gould.	255	<i>Nucula myalis</i> Couth.
254	<i>Margarita cinerea</i> Gould.	255	<i>tenuis</i> Turt.
254	<i>undulata</i> Sowb.	255	<i>Pecten Magellanicus</i> Lam.
254	<i>helicina</i> Müll.	255	<i>Islandicus</i> Müll.
254	<i>Skenea costulata</i> F. & H.	255	<i>Anomia ephippium</i> Linn.
254	<i>Diadora Noachina</i> Gray.	255	<i>Unio complanatus</i> Lea.
254	<i>Crepidula fornicata</i> Lam.	255	<i>Margaritana arcuata</i> Barnes.
254	<i>Acmaea testudinalis</i> Hanl.	255	<i>Anodonta subcylindracea</i>
254	<i>cœca</i> .	255	———— [Lea.
254	<i>Chiton marmoreus</i> Fabr.	255	<i>edentula</i> Say.
254	<i>Pholas crispata</i> Linn.	255	<i>fragilis</i> Lam.
254	<i>Saxicava rugosa</i> Lam.	255	<i>implicata</i> Say.
254	<i>Mya arenaria</i> Linn.	255	<i>Cyclas similis</i> Say.
254	<i>truncata</i> Linn.	255	<i>dubia</i> ? Say.
254	<i>Glycimeris siliqua</i> Lam.	255	————.
254	<i>Osteodesma hyalina</i> Couth.	255	<i>Hippothyris palliacea</i> King.
254	<i>Machæra costata</i> Gould.		

Russell.—Retrospect of some of the Shells found in Essex County: by Rev. JOHN LEWIS RUSSELL. (From Journal of the Essex County Natural History Society. Third and last number. Salem, Mass., 1852.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
110	<i>Anodon fluviatilis</i> Lea.	112	<i>Mesodeama arcata</i> .
110	<i>implicatus</i> Say.	112	<i>Modiola discrepans</i> Mont.
111	<i>Astarte castanea</i> Say.	112	<i>modiolus</i> Turt.
111	<i>Anomia ephippium</i> Linn.	112	<i>plicatula</i> Lam.
111	<i>Ancylus rivularis</i> Say.	112	<i>Mytilus edulis</i> Linn.
111	<i>Auricula bidentata</i> .		<i>M. pellucidus</i> Penn.
111	<i>Buccinum obsoletum</i> Ad.	112	<i>pellucidus</i> .
111	<i>plicosum</i> Mke.	112	<i>Mya arenaria</i> Linn.
111	<i>trivittatum</i> Ad.	112	<i>Natica olausa</i> Br. & Sowb.
111	<i>undatum</i> Linn.	112	<i>heros</i> Say.
111	<i>Bulla triticea</i> Couth.	112	<i>triseriata</i> Say.
111	<i>Cancellaria Couthouyi</i> Jay.	112	<i>Nucula limatula</i> Say.
111	<i>Cardium pinnatulum</i> Conr.	112	<i>minuta</i> Turt.
111	<i>Crepidula fornicata</i> Lam.	112	<i>myalis</i> Couth.
111	<i>plana</i> Say.	112	<i>Pandora trilineata</i> Say.
111	<i>Chiton fulminatus</i> Couth.	112	<i>Pecten magellanicus</i> Lam.
111	<i>Cingula minuta</i> .	112	<i>Petricola pholadiformis</i>
111	<i>Cochlodesma Leana</i> Conr.	112	<i>Pholas crispata</i> Linn. [Lam.
111	<i>Cumingia tellinoides</i> Conr.		<i>P. lamellata</i> Turt.
111	<i>Cyprina islandica</i> Lam.	112	<i>Purpura lapillus</i> Lam.
111	<i>Fusus decemcostatus</i> Say.		<i>P. imbricata</i> .
111	<i>islandicus</i> Mart.	112	<i>Pyramis striatula</i> Couth.
111	<i>harpularius</i> Couth.	112	<i>Rostellaria occidentalis</i>
111	<i>Glycymeris siliqua</i> Lam.		Beck.
111	<i>Lacuna vinota</i> .	112	<i>Sanguinolaria fusca</i> Conr.
111	<i>Littorina palliata</i> .	112	<i>sordida</i> Couth.
111	<i>rudis</i> .	112	<i>Saxicava distorta</i> Say.
111	<i>tenebrosa</i> .	112	<i>Scalaria Grænlandica</i> Chem.
111	<i>Lottia alveus</i> .	112	<i>Solen ensis</i> Linn.
111	<i>testudinalis</i> .	113	<i>Solemya velum</i> Say.
111	<i>Machæra costata</i> .	113	<i>Thracia Conradi</i> Couth.
111	<i>Maetra solidissima</i> Chem.	113	<i>Tellina polita</i> Say.
111	<i>Margarita arctica</i> Leach.	113	<i>tenera</i> Say.
111	<i>cinerea</i> .	113	<i>Terebratula caput-ser-</i>
112	<i>obscura</i> .		<i>pentis</i> Lam.
112	<i>undulata</i> Sowb.	113	<i>Teredo navalis</i> Linn.

Page.		Page.	
113	<i>Trichotropis borealis</i> Sowb.	113	<i>Venus gemma</i> Totten.
	<i>T. costellatus</i> Couth.	113	<i>mercenaria</i> Linn.
113	<i>Turritella erosa</i> Couth.	113	<i>Velutina lævigata</i> .
113	<i>Unio complanatus</i> Lea.		<i>V. rupicola</i> Conr. not
113	<i>nasutus</i> Say.		<i>Orzyos glabra</i> .
113	<i>radiatus</i> Barnes.		

Russell.—Conspectus of Shells found in Essex County, &c. :
by J. H. RUSSELL. (From same as last, p. 126.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
127	<i>Adeorbis costulata</i> St.	129	var. <i>pygmæus</i> Gould.
127	<i>Amboula vestita</i> St.		<i>Trytonium pygmæum</i> St.
	<i>Chiton Emersonii</i> Couth.	129	<i>Helix albolabris</i> Gould.
127	<i>Anoylus fuscus</i> Ad.	129	<i>alternata</i> Gould.
127	<i>Anodon implicata</i> Gould.	129	<i>arborea</i> Gould.
128	<i>Anomia ephippium</i> Linn.	129	<i>electrina</i> Gould.
128	var. <i>aculeata</i> .	129	<i>exigua</i> Gould.
128	<i>squamula</i> .	129	<i>hortensis</i> Gould.
128	<i>Astarte castanea</i> Gould.		<i>Helix subglobosa</i> Binney.
128	<i>quadrans</i> Gould.	129	<i>indentata</i> Gould.
128	<i>sulcata</i> Gould.	129	<i>labyrinthica</i> Gould.
128	<i>Buccinum plicosum</i> Gould.	129	<i>lineata</i> Gould.
128	<i>undatum</i> Linn.	129	<i>minuscule</i> Gould.
128	<i>Bullimus lubricus</i> Gould.	129	<i>pulchella</i> Gould.
128	<i>Bulla punctostriata</i> St.	129	<i>chernina</i> Gould.
128	<i>triticea</i> Gould.	129	—.
128	<i>Cemoria Noachina</i> Gould.	130	<i>Kellia rubra</i> Gould.
128	<i>Chiton albus</i> Gould.	130	<i>Leda limatula</i> St.
128	<i>marginatus</i> Gould.	130	<i>myalis</i> St.
128	<i>ruber</i> Gould.		<i>Nucula myalis</i> Gould.
128	<i>Cingula minuta</i> Gould.	130	<i>sapotilla</i> St.
128	<i>Cochlodesma Leana</i> Couth.		<i>Nucula sapotilla</i> Gould.
	<i>Anatina Leana</i> Conr.	130	<i>Anoylus fuscus</i> Gould. -
128	<i>Columbella Gouldiana</i> ? St.	130	<i>Limnæa columella</i> Gould.
129	<i>Cumingia tellinoides</i> Gould.	130	<i>elodes</i> Gould.
129	<i>Cyclas dubia</i> Gould.	130	<i>macrostoma</i> Gould.
129	<i>partumeta</i> Gould.	130	<i>modicellus</i> Gould.
129	<i>Dentalium dentale</i> Gould.	130	<i>umbilicata</i> Gould.
129	<i>Fusus decemcostatus</i> Gld.	130	<i>Planorbis armigerus</i> Gould.
129	<i>harpularius</i> Gould.	130	<i>bicarinatus</i> Gould.
129	<i>islandicus</i> Gould.	130	<i>campanulatus</i> Gould.
	<i>Tritonium islandicum</i>	130	<i>deflectus</i> Gould.
	Loven.	130	<i>exacutus</i> Gould.

Page.		Page.	
130	<i>Planorbis elevatus</i> Gould.	131	<i>Pecten Magellanicus</i> Gld.
130	<i>hirsutus</i> Gould.	131	<i>Philine formosa</i> St.
130	<i>lentus</i> Gould.	131	<i>Pleurotoma bicarinata</i> Gld.
130	<i>Physa ancillaria</i> Gould.	132	<i>violacea</i> St.
130	<i>elongata</i> Gould.	132	<i>Pupa curvidens</i> Gould.
130	<i>heterostropha</i> Gould.	132	<i>Rissoa eburnea</i> St.
130	<i>Lucina radula</i> Gould.	132	<i>multilineata</i> St.
131	<i>Maetra lateralis</i> Gould.	132	<i>pelagica</i> St. [Migh.
131	<i>Margarita arctica</i> Gould.		<i>Cingula semicostata</i>
131	<i>argentata</i> Gould.	132	<i>Scaloria Groenlandica</i> Gld.
131	<i>obscura</i> Gould.	132	<i>Novangliae</i> Couth.
131	<i>undulata</i> Gould.	132	<i>Solemya velum</i> Gould.
131	<i>Meneatho albula</i> St.	132	<i>Solen ensis</i> Linn.
	<i>Pyramis striatula</i> Couth.	132	<i>Succinea campestris</i> Gould.
131	<i>Mesodesma arcata</i> Gould.	132	<i>ovalis</i> Gould.
131	<i>Nassa trivittata</i> Say.	132	<i>Terebratula septen-</i>
	<i>Buccinum trivittatum</i>		<i>trionalis</i> Gould.
131	<i>Natica flava</i> Gould. [Gould.	132	<i>Teredo dilatata</i> St.
131	<i>immaculata</i> Gould.	132	<i>Thracia truncata</i> Migh.
131	<i>pusilla</i> Gould. [Migh.	133	<i>Turritella acicula</i> St.
131	<i>Nuoula delphinodonta</i>	133	<i>areolata</i> St.
131	<i>Osteodesma Hyalina</i> Gould.	133	<i>Velutina haliotoides</i> Mill.
131	<i>Paludina decisa</i> Gould.	133	<i>sonata</i> Gould.
131	<i>Pandora trilineata</i> Gould.		

Shumard.—A Catalogue of the fluviatile Shells belonging to the family of Naiades of Jefferson County, Kentucky: by B. F. SHUMARD, M. D., Louisville, Kentucky. (From the Naturalist, and Journal of Agriculture, Horticulture, Education and Literature, &c., at Franklin College, Tennessee, vol. i, No. 3. March, 1846.)

[The title of this catalogue was given by me on p. 427. Since the printing of that page I have received the work, through the kindness of J. G. Anthony, Esq. No descriptions are given.—W. G. B.]

Page.		Page.	
105	<i>Unio alatus</i> Say.	105	<i>Unio bullatus</i> Raf.
	<i>U. megapterus</i> Raf.		<i>U. verrucosus albus</i> Say.
105	<i>asperimus</i> Lea.		<i>pustulosus</i> Lea.
	<i>U. lachrymosus</i> Lea.		<i>Dorfeuilleanus</i> Lea.
	<i>quadrulus</i> Say.		<i>prasinus</i> Conr.
105	<i>anodontoides</i> Lea.	105	<i>cardium</i> Raf.
	<i>U. teres</i> Raf.		<i>U. subvatus</i> Lea.
	<i>teres</i> Conr.		<i>ventricosus</i> Barnes.

Page.		Page.	
105	Unio cicatricosus Say.	105	Unio rubiginosus Lea.
	• <i>U. varicosus</i> Lea.	105	<i>rectus</i> Lam.
105	cyphius Raf.		<i>U. prælongus</i> Bar.
	<i>U. Æsopus</i> Green.	106	cornutus Bar.
105	clavus Lam.		<i>U. reflexus</i> Raf.
	<i>U. scalenia</i> Raf.	106	dilatatus Raf. & Contr.
	<i>modioliformis</i> Say.		<i>U. gibbosus</i> Bar.
105	crassus Say.		<i>arectior</i> Lea.
	<i>U. ellipticus</i> Bar.		<i>nasutus</i> Lam.
	<i>carinatus</i> Bar.	106	ebenus Lea.
105	cylindricus Say.		<i>U. mytiloides</i> Contr.
	<i>U. solenoides</i> Raf.	106	elegans Lea.
	<i>naviformis</i> Lam.	106	foliatus Hild.
105	crassidens Lam.		<i>U. flexuosus</i> Raf.
	<i>U. cuneatus</i> Bar.	106	fabalis Lea.
	<i>niger</i> ? Raf.		<i>U. lapillus</i> Say.
	<i>soleniformis</i> Lea.	106	gracilis Bar.
105	multiplloatus Lea.		<i>U. fragilis</i> Swains.
	<i>U. heros</i> Say.	106	glans Lea.
	<i>undulatus</i> Say.	106	iris Lea.
105	nodulatus Raf.		<i>U. subrostratus</i> Bar.
	<i>U. pustulatus</i> Lea.	106	irroratus Lea.
105	occidens Lea.		<i>U. verrucosus</i> albus Hild.
	<i>U. ventricosus</i> Say.	106	metanever Lea.
105	Ohloensis Raf.		<i>U. nodosus</i> Barnes.
	<i>U. lævissimus</i> Lea.	106	monodontus Say.
105	ovatus Say.		<i>U. latissimus</i> Raf.
	<i>U. globosus</i> Lea.	106	alliquoideus Bar.
	<i>capax</i> Green.		<i>U. inflatus</i> Bar.
105	olivarius Raf.	106	pyramidatus Lea.
	<i>U. ellipsis</i> Lea.	106	subrotundus Raf.
105	orbiculatus Hild.		<i>U. circulus</i> Lea.
	<i>U. abruptus</i> Say.	106	sulcatus Lea.
	<i>crassus</i> Contr.		<i>U. ridibundus</i> Say.
105	phaseolus Hild.	106	securis Lea.
	<i>U. planulatus</i> Lea.		<i>U. depressa</i> Raf.
	<i>cuneatus</i> Bar.	106	tenuissimus Lea.
105	perplexus Lea.		<i>U. velum</i> Say.
	<i>U. gibbosus</i> Contr.		<i>Anodonta purpurascens</i>
105	Sayii Ward.	106	torsus Raf. [Swains.
105	plicatus Less.	106	triangularis Bar.
	<i>U. rariplicata</i> Lam.		<i>U. formosus</i> Lea.
	<i>Peruvianus</i> Lam.		<i>cuneatus</i> Swains.
	<i>costatus</i> Raf.	106	tuberculatus Bar.
105	parvus Bar.		

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	<i>U. tuberculatus</i> Raf.		<i>A. declivis</i> Conr.
	<i>verrucosus purpureus</i>	106	Ferussaciana Lea.
106	zig-zag Lea. [Hild.	106	exilis Lea.
106	Alasmodonta complanata		<i>A. salmone</i> Lea.
	[Bar.	106	imbecillis Say.
106	calceola Lea.		<i>A. incerta</i> Lea.
	<i>Margaritana deltoidea</i>	106	lata Raf.
106	rugosa Bar. [Lea.		<i>Unio dehiscentis</i> Say.
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106	Anodonta grandis Say.		
	<i>A. corpulenta</i> Cooper.		



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WYMAN, J.

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ERRATA.

The following errata and addenda should be entered on their respective pages of the Bibliography:—

Page 1. The folio of the left hand column refers to Rafinesque's extra copies of the "Monographie." Page 25 corresponds with p. 291 of the original paper in the "Annales."

Page 4, line 14. *After Tremisia patelloides* read *Notrema*.

" 4, line 25. *Add* See also page 548.

" 5, line 3 from bottom, *add* *Decurambis litterata* Raf.

" 8, line 11. The paper of Coates will also be found in the Ann. of Phil. x, 385; Bull. Sc. Nat. vii, 259 (1826); Fror. Not. Bd. 12, 295 (1826).

Page 40, line 10. *Astarte castanea* in the first edition is given as a synonym of *Crassina Danmoniensis*, omitted in this edition.

Page 53. *Note.* See also p. 419.

" 64. *For* Couthouy's paper, *see* also p. 487.

" 64. *For* Jay's paper, *see* also p. 486.

" 74. The date is probably 1842.

" 123, line 3 from bottom of left hand column, *add* p. 40 *Unio oreridens* Lea.

Page 129. The first edition of Wheatley's Catalogue was published in 1842.

Page 230. *For* Lea's Synopsis, *see* also p. 52.

" 254. The Land Shells of Say were published separately in 1856 with the title of "Descriptions of Terrestrial Shells of North America."

Page 262, line 1, *for* September read May.

" 274, line 4, *add* See also p. 605.

" 319, line 1, *for* W. Whittemore read T. W. Whittemore.

" 319. Agassiz and Gould's Principles were republished in 1861.

" 327. *For* Conrad's paper, *see* also p. 404.

" 327. *For* Leidy's paper, *see* also Silliman's Am. Journ. [2] iii, 434.

" 333. Date of Haldeman's Monograph is said to be 1847.

" 334, after line 36, *add* *L. solida* Lea = *Melania*.

" 339, line 3, *for* November read July.

" 341, line 2 from bottom, *add* See also note on p. 101.

" 348, line 28, *for* 1841 read 1840.

" 350, line 22, *for* 108 read 308.

" 357, *for* foreign species of Bost. Proc. *see* p. 530.

" 359, line 15, *for* 137 read 138.

" 361, after line 9, *add* ii, 160 *Creptifula summaria* Gould. Classet.

" 371, line 10. A figure of *Cochliolepta* is given.

" 371, line 21, *for* September read November.

Page 371. For the foreign species in the Proc. Phila. Acad., *see* p. 551.

" 372, line 26, *for* November, 1842, *read* December, 1842.

" 372, line 27, *for* March, 1853, *read* March, 1843.

" 373. For Leidy's paper first quoted, *see* also *Forr. Not.* 3 Reihe, Bd. 4, No. 68, 1847, p. 24, and *Journ. de Conch.* i, 1850, p. 34.

Page 374, line 32, *for* 58 *read* 57.

" 386. For foreign species in Phila. Proc., *see* p. 556.

" 404, line 2, *add see* also p. 560.

" 404, line last, *add see* also p. 327.

" 406, line 2, *add see* also p. 520.

" 417, line 8, *add see* also p. 504.

" 422, line 2, *add see* also p. 525.

" 427, line 4, *add see* also p. 631.

" 427, line 4, *for* 1856 *read* 1846.

" 427. Cooper's paper should not have been quoted here, its date being 1860.

Page 427, line 26, *add* Banks of the Ohio.

" 429, line 7, *for* 1841 *read* 1851.

" 433, line 6, *add see* also p. 547.

" 436, line 12 from bottom, *see* also *Faunus von Gistl.* Bd. i, Hft. 1, 1837, p. 42.

Page 451, line 8. The title in the Transactions is "Descriptions of new species of the family Unionidæ."

Page 477, line 26, *for* *Crypogenia* *read* *Cyprogenia*.

" 486, line 13 from bottom, *add see* p. 64.

" 490, line 4, *add* Adams.

" 499, line 24, *for* 100 *read* 101.

" 500, line 21, *for* 187 *read* 189.

" 501, line 13. The quotations from p. 215 to 233 on the next page are by Bland.

Page 502, line 11 from bottom. The quotations from p. 233 are to be attributed to Adams.

Page 502, line 3 from bottom. The quotations are by Bland.

" 503. The first title is by Adams.

" 525, line 2, *add see* also p. 422.

" 526, line 2, *add see* also p. 343.

" 530, line 2, *add see* also p. 357.

" 531, lines 6, 7, 8, *for* 160 *read* 161; their date is also May, 1844.

" 550, line 14 from bottom, after Vol. ii, *add* Part 2.

" 551, line 10 from bottom, *add see* also p. 371.

" 552, line 16, *add see* also Proc. vi, 435. Nov. 1853.

" 552, line 26, *add see* also p. 606 of Bibliography.

" 556, line 3 from bottom, *add see* also p. 386.

" 565, before line 13 from bottom, *add* No. ix, May, 1851.

" 581. Redfield's paper, *add* June, 1852.

" 583, before page 297, *add* July, 1852.



SMITHSONIAN MISCELLANEOUS COLLECTIONS.

CATALOGUE

OF

PUBLICATIONS

OF THE

SMITHSONIAN INSTITUTION.

CORRECTED TO JUNE, 1862.



**WASHINGTON:
SMITHSONIAN INSTITUTION.**

JUNE, 1862.



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ADVERTISEMENT.

THE present catalogue is intended to embrace all the articles published by the Smithsonian Institution since its organization in 1846. For the first few years nothing was issued but pamphlets explanatory of the plan of the Institution, and brief annual reports of the proceedings of the Regents, and it was not until after 1849 that the following regular series were established, viz :—

1st. A quarto series entitled “Smithsonian Contributions to Knowledge,” issued in volumes, each embracing one or more separate articles.

2d. An octavo series, entitled “Smithsonian Miscellaneous Collections.”

3d. Another octavo series, consisting of the Annual Reports of the Institution to Congress, called “Smithsonian Reports,” and printed at the expense of the government:

The Smithsonian Contributions to Knowledge include memoirs embracing the records of extended original investigations and researches resulting in what are believed to be new truths, and constituting positive additions to the sum of human knowledge. The series of Smithsonian Miscellaneous Collections is designed to contain reports on the present state of our knowledge of particular branches of science; instructions for collecting and digesting facts and materials for research; lists and synopses of species of the organic and inorganic world; museum catalogues; reports of explorations; aids to bibliographical investigations, etc., generally prepared at the express request of the Institution, and at its expense. The position of a work in one or the other of these two series will sometimes depend upon whether the required illustrations can be presented more conveniently in the quarto or the octavo form.

The Annual Reports are presented to Congress, and printed at its expense, copies being given to the Institution. They consist of the reports of the Secretary to the Board of Regents of the operations and condition of the Institution; the reports of committees of the Board; abstracts of lectures delivered before the Institution; extracts from correspondence; original or translated articles relating to the history and progress of science, etc. Over the typography and general mechanical execution, as well as the number of copies, of the Smithsonian Annual Reports the Institution has no control.

In the first experiments of the Smithsonian system of publication, the proper magnitude of the editions necessary to meet the immediate and future demand could not be accurately ascertained. The number of copies of the Contributions then fixed upon, has since been found inadequate, although it was larger than that usually issued by other institutions. The edition has, therefore, been augmented, until at the present time 1000 copies of each article are set aside to be combined into volumes, and an extra number, varying with the probable demand, from 500 to 1500, struck off for separate distribution, and for sale.

Each article is complete in itself, with separate paging, title, and index, and without any necessary relationship to others combined with it in the same volume.

Of the first volume of Smithsonian Contributions, the edition, for reasons already explained, is less than of the succeeding ones, so that complete sets cannot now be always furnished. A considerable number of the earlier articles in octavo, also, are out of print, and cannot be furnished in series for the same reason; they are, therefore, necessarily excluded from the "Smithsonian Miscellaneous Collections." Most of such works, however, have been or will be reproduced in later and improved editions.

The regular series of volumes of Smithsonian Annual Reports begins with 1853, those for previous years being pamphlets now out of print. The essential portion of their contents is, however, given in the above-mentioned volume for 1853, so as to present a complete summary of the history of operations of the Institution from its commencement to the present time.

The rules governing the distribution of the Smithsonian publications are appended. To enable institutions not coming within their provisos, as well as individuals, to procure copies of such as

may be desired, a small number is set aside, and sold by the Institution, or its agents, at the prices affixed, which are intended merely to cover the actual cost of their publication. They may be obtained either directly from the Institution or of its general agents, Messrs. D. Appleton & Co., New York.

JOSEPH HENRY,

Secretary, S. I.

SMITHSONIAN INSTITUTION,
WASHINGTON, June, 1862.

RULES OF DISTRIBUTION.

The following rules have been adopted for the distribution of the series of the Smithsonian Contributions, and Miscellaneous Collections:—

1. They are to be presented to all learned societies of the first class which publish Transactions, and give copies of these, in exchange, to the Institution.

2. To all foreign libraries of the first class, provided they give in exchange their catalogues and other publications, or an equivalent from their duplicate volumes.

3. To all the colleges in actual operation in this country, provided they furnish, in return, meteorological observations, catalogues of their libraries and of their students, and all other publications issued by them relative to their organization and history.

4. To all States and Territories, provided they give, in return, copies of all documents published under their authority.

5. To all incorporated public libraries in this country, not included in any of the foregoing classes, now containing more than 10,000 volumes; and to smaller libraries, where a whole State or large district would be otherwise unsupplied.

Institutions devoted exclusively to the promotion of particular branches of knowledge, receive such articles published by the Institution as relate to their objects. Portions of the series are also given to institutions of lesser grade not entitled to the full series, and also to the meteorological correspondents of the Smithsonian Institution.



PUBLICATIONS
OF THE
SMITHSONIAN INSTITUTION,
WASHINGTON, D. C.

CORRECTED TO JUNE, 1862.

PART I.
PRINTED BY THE INSTITUTION.

A. ARRANGED IN SERIES.
CONTRIBUTIONS TO KNOWLEDGE,
QUARTO SERIES.

1. Smithsonian Contributions to Knowledge 1848. Vol. I, 4to. pp. 346, with 48 plates and 207 wood-cuts. (Out of print.)

Contains: (1.) **Squier & Davis**, Ancient Mon. Miss. Valley.

26. Smithsonian Contributions to Knowledge. 1851. Vol. II, 4to. pp. 464, and 24 plates. Price \$6.

Contains: (3.) **Walker**, Researches relative to Neptune. (12.) **Lieber**, Laura Bridgeman; (20.) **Bailey**, Soundings U. S. C. Survey; (13.) **Ellet**, Phys. Geog. Miss. Valley; (14.) **Gibbes**, Mosasaurus; (16.) **Agassiz**, Class. Insects; (17.) **Hare**, Expl. Nitre; (23.) **Bailey**, Microsc. Obs. in S. States; (15.) **Squier**, Aboriginal Mon. New York.

The Appendix embraces: (4*.) **Walker**, Eph. Neptune, 1795-1849; (6.) Do. for 1850; (7.) Do. for 1851; (11.) **Downes**, Occultations for 1851.

38. Smithsonian Contributions to Knowledge. 1852. Vol. III, 4to. pp. 564, and 35 plates. Price \$6.

Contains: (35.) **Looke**, Terrest. Magnetism; (36.) **Secchi**, Electric Rheometry; (30.) **Girard**, N. Am. Cot-

toids; (32.) **Harvey**, Marine Algæ N. A.; (22.) **Gray**, Plantæ Wrightianæ, I; (33.) **Davis**, Flood Tide; (37.) **Whittlesey**, Ancient Works in Ohio.

The Appendix embraces: (24.) **Walker**, Eph. Neptune, 1852; (29.) **Downes**, Occultations, 1852.

39. Smithsonian Contributions to Knowledge. 1852. Vol. IV, 4to. pp. 426. Price \$6.

Contains: (40.) **Riggs**, Dakota Grammar and Dictionary.

55. Smithsonian Contributions to Knowledge. 1853. Vol. V, 4to. pp. 538, and 45 plates. Price \$6.

Contains: (44.) **Leidy**, Fauna and Flora of Animals; (41.) **Leidy**, Fossil Ox; (45.) **Wyman**, Rana pipiens; (43.) **Harvey**, Marine Algæ N. A. II; (42.) **Gray**, Plantæ Wrightianæ, II.

56. Smithsonian Contributions to Knowledge. 1854. Vol. VI, 4to. pp. 476, and 53 plates. Price \$6.

Contains: (46.) **Torrey**, Plantæ Fremontianæ; (60.) **Torrey**, Batis maritima; (61.) **Torrey**, Darlingtonia Californica; (50.) **Stimpson**, Marine Invert. Grand Maan; (52.) **Coffin**, Winds of Northern Hemisphere; (58.) **Leidy**, Ancient Fauna Nebraska.

The Appendix embraces: (54.) **Downes**, Occultations, 1853.

76. Smithsonian Contributions to Knowledge. 1855. Vol. VII, 4to. pp. 252, 70 wood-cuts, and 74 plates. Price \$6.

Contains: (59.) **Chappelsmith**, Tornado; (63.) **Bailey**, New Microsc. Organisms; (70.) **Lapham**, Antiquities Wisconsin; (72.) **Leidy**, Extinct Sloths N. A.

The Appendix embraces: (73.) Publications Learned Societies, I.

78. Smithsonian Contributions to Knowledge. 1856. Vol. VIII, 4to. pp. 556, 9 plates, and 27 wood-cuts. Price \$6.

Contains: (71.) **Haven**, Archæology U. S.; (81.) **Olmsted**, Recent Period of Aurora; (80.) **Alvord**, Tangencies Circles and Spheres; (82.) **Jones**, Chem. and Phys. Res.

The Appendix embraces: (84.) **Force**, Record of Auroras; (85.) Publications Learned Societies, II.

92. Smithsonian Contributions to Knowledge. 1857. Vol. IX, 4to. pp. 482, and 22 plates. Price \$6.

Contains: (83.) **Meech**, Intensity Sun's Heat and Light. (90.) **Hitchcock**, Surface Geology; (86.) **Mayer**, Obs. Mex. Archaeology; (88.) **Gibbs & Genth**, Ammonia-Cobalt Bases.

The Appendix embraces: (79.) **Runkle**, New Planetary Tables; (94.) **Runkle**, Asteroid Supplement to the same.

99. Smithsonian Contributions to Knowledge. 1858. Vol. X, 4to. pp. 462, and 17 plates. Price \$6.

Contains: (95.) **Harvey**, Marine Algae N. A., III.; (97.) **Kane**, Magnet. Obs. Arctic Seas; (98.) **Bowen**, Yornba Language.

111. Smithsonian Contributions to Knowledge. 1859. Vol. XI, 4to. pp. 506, and 23 plates. Price \$6.

Contains: (89.) **Brewer**, N. A. Oology, I.; (100.) **Gilliss**, Solar Eclipse Peru; (113.) **Bache**, Discussion Girard Coll. Obs. I.; (104.) **Kane**, Met. Obs. Arctic Seas; (126.) **Lecomte**, Coleoptera Kansas and N. M.; (114.) **Sonntag**, Magnet. Obs. Mexico; (127.) **Loomis**, Storms in Europe and Am.

112. Smithsonian Contributions to Knowledge. 1860. Vol. XII, pp. 540, 3 plates, and 12 wood-cuts. Price \$6.

Contains: (129.) **Kane**, Astron. Obs. Arctic Seas; (119.) **Whittlesey**, Change of Level in Lakes; (103.) **Caswell**, Met. Obs. Providence; (131.) **Smith**, Met. Obs. Arkansas; (135.) **Mitchell**, Venom of Rattlesnake.

150. Smithsonian Contributions to Knowledge. Vol. XIII. (In press.)

Note.—The twelve volumes already published and distributed of the Smithsonian Contributions to Knowledge, include, with few exceptions, all the quarto memoirs printed directly by the Institution. Of those not enumerated above, Nos. 130. **Kane**, Tidal Observations in the Arctic Seas; 146. **M'Clintock**, Meteorological Obs. Arctic Seas; 155. **Whittlesey**, Ancient Mining; and 132, 162. **Bache**, Discussion Girard Coll. Obs. II, will form part of Volume XIII. Of the remainder,—(8.) **Downes**, Occultations for 1848; (9.) Do. for 1849; (10.) Do. for 1850; and (2.) **Owen**, Hints on Public Architecture,—the editions published were too small to incorporate into the series. No. 40*. *Dacota Grammar* is

an extra edition of portion of No. 40. *Dacota Grammar and Dictionary*; and No. 86. *Harvey, Marine Algae of N. Am.* consists of the three separate parts bound into one.

Nos. 1, 26, 88, 39, 55, 56, 76, 78, 92, 99, 111, 112, 151 refer to the thirteen volumes *Smithsonian Contributions*, containing works separately numbered. Nos. 120. *Hildreth, Met. Obs. Ohio*, and 121. *Berlandier, Met. Obs. Mexico*, though a long time in preparation, are not yet ready to be printed.

MISCELLANEOUS COLLECTIONS.

OCTAVO SERIES.

122. *Smithsonian Miscellaneous Collections*. 1862. Vol. I, 8vo. pp. 732. Price \$3, paper.

Contains: (19.) *Directions for Meteorological Observations*; (87.) *Coffin, Psychrometrical Tables*; and (31.) *Guyot, Meteorological and Physical Tables*.

123. *Smithsonian Miscellaneous Collections*. 1862. Vol. II, 8vo. pp. 692. Price \$3.

Contains: (27.) *Booth and Morfit, Recent Improvements in Chemical Arts*; (115.) *Proceedings Board Regents Smithsonian Institution in relation to the Electro-magnetic Telegraph*; (53.) *Stanley, Catal. Portraits N. Am. Indians*; (108.) *Baird, Catalogue of N. Amer. Birds*; (49.) *Baird and Girard, Catal. North Am. Reptiles—Serpents*; (128.) *Check List Shells N. A.*; (34.) *Directions for Collecting*; (137.) *Circular to Officers H. B. Co.*; (139.) *Instructions for collecting Nests and Eggs; N. Am. Grasshoppers*; and *N. Am. Shells*; (138.) *Morgan, Circular respecting Relationship*.

124. *Smithsonian Miscellaneous Collections*. Vol. III, 8vo. pp. 766. Price \$3.

Contains: (102.) *Osten Saacken, Catalogue Diptera N. A.*; (118.) *Morris, Catal. described Lepidoptera N. A.*; (136.) *Le Conte, Classif. Coleoptera, I*; (117.) *Catal. Publications of Societies in Smithsonian Library*.

Note.—Of this volume, Nos. 102, 118, and 117 have already been distributed to American institutions, rendering it only necessary to furnish in addition the introductory matter and *Le Conte's Classification of Coleoptera*, as above.

125. Smithsonian Miscellaneous Collections. Vol. IV, 8vo.
pp. 752. Price \$3.

Contains: (134.) **Hagen**, Synopsis of N. Am. Neuroptera,
and (133.) **Morris**, Synopsis of N. A. Lepidoptera.

158. Smithsonian Miscellaneous Collections. Vol. V, 8vo.
(In press.)

This volume will contain of works already printed: (141.) **Loew**, Monographs of Diptera, Part I.; (64.) List of Foreign Correspondents of Smithsonian Institution; and (74.) List of Publications of the Smithsonian Institution, with some others.

Note.—The preceding volumes of "Miscellaneous Collections" include all the octavo works printed by the Smithsonian Institution of which copies enough remain on hand to furnish the entire first class list of distribution. The remaining articles have, however, been already supplied to most of its regular correspondents.

As stated in the introduction, a number of the articles mentioned as out of print have been incorporated in later works included in the Miscellaneous Collections and Annual Reports.

The works coming under the head of "Out of Print" are as follows: (18.) **Gould**, Report on Neptune; (101.) **Hill**, Map of Solar Eclipse; (93.) Smithsonian Meteorological Observations for 1855; (68.) **Mitchell**, Vocabulary of Jargon; (62.) **Melsheimer**, Catalogue of Coleoptera; (48.) **Girard**, American Natural History Bibliography; (25.) **Jewett**, Smithsonian Catalogue System; (A.) Proceedings of Regents, 1846; (B.) Report Committee of Organization; (C.) Digest of Acts of Congress; (D.) Address on laying corner-stone; (E.) Explanation Smithsonian's Bequest; (K.) Correspondence on Memoir of Squier and Davis.

The works which are being prepared, or in press, are so marked, consisting of Nos. 140, 142, 143, 144, 145, 148, 153, 154, 156, 160, 161, 163, 165.

No. 164, Museum Miscellanea, does not form part of the Miscellaneous Collections.

B. SYSTEMATIC LIST OF TITLES.

MATHEMATICS.

80. **Alvord.**—The Tangencies of Circles and of Spheres. By Benjamin Alvord, Major U. S. Army. January, 1856. 4to. pp. 16, and 9 plates. (S. C. VIII.) Price 50 cents.

ASTRONOMY.

8. **Downes.**—Occultations visible in the United States during the year 1848. Computed under the direction of the Smithsonian Institution. By John Downes. 1848. 4to. pp. 12.

9. **Downes.**—Occultations visible in the United States during the year 1849. Computed under the direction, and at the expense of the Smithsonian Institution. By John Downes. 1848. 4to. pp. 24.

10. **Downes.**—Occultations visible in the United States during the year 1850. Computed by John Downes, at the expense of the fund appropriated by Congress for a Nautical Almanac, and published by the Smithsonian Institution. 1849. 4to. pp. 26.

These three papers by Mr. Downes were not published in the series of Contributions.

11. **Downes.**—Occultations visible in the United States during the year 1851. Computed by John Downes, at the expense of the fund appropriated by Congress for the establishment of a Nautical Almanac, and published by the Smithsonian Institution. Oct. 1850. 4to. pp. 26. (S. C. II.) Price 20 cents.

29. **Downes.**—Occultations visible in the United States during the year 1852. Computed by John Downes, at the expense of the fund appropriated by Congress for the establishment of a Nautical Almanac, and published by the Smithsonian Institution. 1852. 4to. pp. 34. (S. C. III.) Price 20 cents.

54. **Downes.**—Occultations of Planets and Stars by the Moon during the year 1853. Computed by John Downes, at the expense of the fund appropriated by Congress for the establishment of a Nautical Almanac, and published by the Smithsonian Institution. 1853. 4to. pp. 36. (S. C. VI.) Price 20 cents.

3. **Walker.**—Researches relative to the Planet Neptune. By Sears C. Walker, Esq. 1850. 4to. pp. 60. (S. C. II.) Price 50 cents.

4. **Walker.**—Ephemeris of Neptune for the Opposition of 1848. By Sears C. Walker, Esq. 1849. 4to. pp. 8.

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73. List of Publications of Learned Societies, and Periodicals in the Library of the Smithsonian Institution, December 31, 1854. Part I.—Europe, excepting England, France, Spain, Portugal, and Italy. 1855. 4to. pp. 40. (S. C. vii.) Price 25 cents.

85. List of Publications of Learned Societies, and Periodicals

in the Library of the Smithsonian Institution, May, 1856. Part II.—Embracing France, England, Spain, Portugal, and Italy. 1856. 4to. pp. 38. (S. C. VIII.) Price 25 cents.

117. Catalogue of Publications of Societies, and of other periodical Works in the Library of the Smithsonian Institution, July 1, 1858. Foreign works. 1859. 8vo. pp. 264. (M. C. III.) Price \$1.

74. Catalogue of Publications of the Smithsonian Institution. Corrected to June, 1862. 8vo. pp. 52. (M. C. v.) Gratis.

48. Girard.—Bibliography of American Natural History for the year 1851. By Charles Girard. December, 1852. 8vo. pp. 60. (Out of print.)

142. Binney.—Bibliography of American Conchology. By W. G. Binney. 8vo. (In press.)

47. Jewett.—On the Construction of Catalogues of Libraries, and of a general catalogue, and their publication by means of separate stereotyped titles; with rules and examples. By Charles C. Jewett, Librarian of the Smithsonian Institution. 1852. 8vo. pp. 78. Price 50 cents. (Out of print.)

47. On the Construction of Catalogues of Libraries, &c. Second edition. 1853. 8vo. pp. 96. Price 50 cents. (Out of print.)

116. Rhees.—List of Public Libraries, Institutions, and Societies in the United States and British Provinces of North America. (Reprinted from Manual of Libraries, etc., by W. J. Rhees.) 1859. 8vo. pp. 82.

Not forming a portion of the Smithsonian series.

ARCHITECTURE.

2. Owen.—Hints on Public Architecture, containing, among other illustrations, Views and Plans of the Smithsonian Institution, together with an Appendix relative to Building Materials. Prepared on behalf of the Building Committee of the Smithsonian Institution, by Robert Dale Owen, Chairman of the Committee. 1849. 4to. pp. 140, 15 plates and 99 wood-cuts. (Out of print.)

MISCELLANEOUS.

B. Report of the Organization Committee of the Smithsonian Institution, with the resolutions accompanying the same, and adopted by the Board of Regents. Also the will of the testator, the act accepting the bequest, and the act organizing the Institution. Published by authority of the Board of Regents. 1847. 8vo. pp. 32. (Out of print.)

C. Digest of the Act of Congress establishing the Smithsonian Institution. Passed August 10, 1846. 8vo. pp. 8. (Out of print.)

A. Journal of Proceedings of the Regents of the Smithsonian Institution, at the City of Washington. Beginning on the first Monday of September, 1846. 8vo. pp. 32. (Out of print.)

D. Address delivered on occasion of laying the corner stone of the Smithsonian Institution, May 1, 1847. By George M. Dallas, Chancellor of the Institution. 1847. 8vo. pp. 8. (Out of print.)

E. Smithsonian Bequest. Prof. Henry's Exposition before the New Jersey Historical Society at its meeting in Princeton, Wednesday, September 27th, 1847, by invitation from the Executive Committee. 8vo. pp. 8. (Out of print.)

K. Smithsonian Institution's Correspondence relative to the acceptance for publication of the Ethnological Memoir of Messrs. Squier and Davis. 8vo. pp. 8. (Out of print.)

69. List of Domestic Institutions in correspondence with the Smithsonian Institution. 1853. 8vo. pp. 16.

64. List of Foreign Institutions in correspondence with the Smithsonian Institution. 1856. 8vo. pp. 16.

64. List of Foreign Institutions in correspondence with the Smithsonian Institution. 1862. 8vo. pp. 40.

137. Circular to Officers of the Hudson's Bay Company. 1860. 8vo. pp. 6.

PART II.

WORKS PRINTED BY CONGRESS.

A. SERIES OF ANNUAL REPORTS.

ANNUAL REPORTS TO CONGRESS.

G. (First) Report from the Board of Regents submitted to Congress, of the operations, expenditures, and condition of the Smithsonian Institution. (During the year 1846.) Read and ordered to be printed, March 3, 1847. Senate Doc. 211; 29th Congress, 2d Session. 1847. 8vo. pp. 38. (Out of print.)

H. Second Report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the Institution during the year 1847. January 6, 1848, read and ordered to be printed. 30th Congress, 1st Session. Senate Miscellaneous No. 23. 1848. 8vo. pp. 208. (Out of print.)

I. Third Annual Report of the Board of Regents of the Smithsonian Institution to the Senate and House of Representatives, showing the operations, expenditures, and condition of the Institution during the year 1848. February 19, 1849, laid upon the table and ordered to be printed. 30th Congress, 2d Session. H. R. Miscellaneous No. 48. 1849. 8vo. pp. 64. (Out of print.)

21. Fourth Annual Report of the Board of Regents, &c., during the year 1849. July 29, 1850, read, and July 30, 1850, ordered to be printed. 31st Congress, 1st Session. Senate Miscellaneous No. 120. 1850. 8vo. pp. 208. (Out of print.)

28. Fifth Annual Report of the Board of Regents, &c., during the year 1850. March 1, 1851, read; March 7, 1851, ordered to be printed. Special Session. March, 1851. Senate Miscellaneous No. 1. 1851. 8vo. pp. 326. (Out of print.)

51. Sixth Annual Report of the Board of Regents, &c., during

the year 1851, and the proceedings of the Board of Regents up to date. August 20, 1852, ordered to lie on the table, and be printed. 32d Congress, 1st Session. Senate Miscellaneous No. 108. 1852. 8vo. pp. 105. (Out of print.)

57. Seventh Annual Report of the Board of Regents, &c., during the year 1852, and the proceedings, &c. March 1, 1853, ordered to lie on the table, and be printed. 32d Congress, 2d Session. Senate Miscellaneous No. 53. 1853. 8vo. pp. 96. (Out of print.)

67. Eighth Annual Report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the Institution up to January 1, 1854, and the proceedings of the Board up to July 8, 1855. August 1, 1854, laid on the table, and ordered to be printed. 33d Congress, 1st Session. House of Representatives Miscellaneous No. 97. 1854. 8vo. pp. 310.

The editions of all the reports prior to that for 1853 are almost entirely exhausted. In the preceding one, however, all the previous reports of the Secretary are reproduced from the beginning, so that this embraces the substance of all that have gone before it.

75. Ninth Annual Report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the Institution up to January 1, 1855, with the proceedings of the Board up to February 24, 1854. March 3, 1855, ordered to be printed. 1855. 8vo. pp. 464.

77. Tenth Annual Report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the Institution up to January 1, 1856, and the proceedings of the Board up to March, 1856. May 23, 1856, laid on the table, and ordered to be printed. 1856. 8vo. pp. 438.

91. Annual Report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the Institution for the year 1856, and the proceedings of the Board up to January 28, 1857. 1857. 8vo. pp. 468.

107. Annual Report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures and condition of the Institution for the year 1857. 1858. 8vo. pp. 438.

109. Annual Report, etc., for the year 1858. 1859. 8vo. pp. 450.
110. Annual Report, etc., for the year 1859. 1860. 8vo. pp. 448.
147. Annual Report, etc., for the year 1860. 1861. 8vo. pp. 448.
149. Annual Report, etc., for the year 1861. 8vo. (In press.)
150. Annual Report, etc., for the year 1862. (In preparation.)

B. SPECIAL ARTICLES IN ANNUAL REPORTS.

ASTRONOMY.

Loomis.—Lecture on the Zone of small Planets between Mars and Jupiter. By Professor Elias Loomis. Report for 1854, pp. 137—146. 1855.

Snell.—Lecture on Planetary Disturbances. By Prof. E. S. Snell. Report for 1855, pp. 175—190. 1856.

Alexander.—Lecture on the Vastness of the Visible Creation. By Prof. S. Alexander. Report for 1857, pp. 168—178. 1858.

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METEOROLOGY.

Russell.—Lectures on Meteorology. By R. Russell. Report for 1854, pp. 18—215. With an Appendix by the Secretary of the Smithsonian Institution, pp. 215—230. 1855.

Gibbons.—On the Climate of San Francisco. By Dr. H. Gibbons. Report for 1854, pp. 231—271. 1855.

Logan.—Abstract of Meteorological Observations made during the years 1853—5, at Sacramento, Cal. By Dr. Thomas M. Logan. Report for 1855, pp. 191—210. 1856.

Smallwood.—Description of the Observatory at St. Martin, Isle Jesus, Canada East. By Dr. Charles Smallwood. Report for 1856, pp. 311—319. 1857.

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TERRESTRIAL MAGNETISM.

Hilgard.—Description of the Magnetic Observatory of the Smithsonian Institution. By J. E. Hilgard. Report for 1859, pp. 385—395. 1860.

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Muller.—Report on Recent Progress in Physics. By Dr. John Müller of Freiburg. (Translated from the German for the Smithsonian Institution.) Report for 1855, pp. 311—424. Report for 1856, pp. 357—456. Report for 1857, pp. 332—431. Report for 1858, pp. 372—415.

Henry.—Syllabus of a Course of Lectures on Physics. By Professor Joseph Henry. Report for 1856, pp. 187—220. 1857.

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Reid.—Lectures on the Progress of Architecture in relation to Ventilation, Warming, Lighting, Fire-proofing, Acoustics, and the general Preservation of Health. By Dr. D. B. Reid. Report for 1856, pp. 147—186. 1857.

Henry.—On Acoustics applied to Public Buildings. By Professor Joseph Henry. Report for 1856, pp. 221—234. 1857.

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Froebel.—Remarks contributing to the Natural History of the North American Continent. By Julius Froebel. Report for 1854, pp. 272—281. 1855.

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ETHNOLOGY.

Letherman.—Sketch of the Navajo Indians. By Dr. J. Letherman, U. S. A. Report for 1855, pp. 283—297. 1856.

Guest.—Ancient Indian Remains near Prescott, C. W. By W. E. Guest. Report for 1856, pp. 271—276. 1857

Retzius.—Present State of Ethnology in relation to the Form of the Human Skull. By Prof. A. Retzius. Translated from the French by C. A. Alexander. Report for 1859, pp. 250—270. 1860.

Morlot.—General Views on Archæology. By A. Morlot. Translated by P. A. Harry. Report for 1860, pp. 284—343. 1861.

GENERAL NATURAL HISTORY.

Miscellaneous Natural History Correspondence. On the Natural History of Beaver Islands, Mich., by J. J. Strang. On the Habits of the Black Bass of the Ohio (*Grystes fasciatus*), by John Eoff. On the Natural History of the Country about Fort Ripley, Minn., by Dr. J. F. Head, U. S. A. On the Habits of the Gopher of Illinois (*Geomys bursarius*), by T. S. Parvin. On the Habits of a species of Salamander (*Amblystoma opacum*) Bd., by the Rev. Charles Mann. On the *Amblystoma luridum*, a Salamander inhabiting Wisconsin, by Dr. P. R. Hoy. Report for 1854, pp. 282—295. 1855.

Morris.—Lecture on Natural History as applied to Farming and Gardening, and on Insect Instincts and Transformations. By Rev. J. G. Morris. Report for 1855, pp. 130—141. 1856.

Instructions in reference to Collecting Nests and Eggs of North American Birds. Report for 1858, pp. 153—157. 1859.

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Brainard.—Lecture on the Nature and Cure of the Bite of Serpents and the Wounds of Poisoned Arrows. By Dr. David Brainard. Report for 1854, pp. 123—136. 1855.

ZOOLOGY.

Marsh.—Lecture on the Camel. By Hon. George P. Marsh. Report for 1854, pp. 98—122. 1855.

Gesner.—On the Habits of the Pouched Rat or Salamander (*Geomys pineti*) of Georgia. By Dr. W. Gesner. Report for 1860, pp. 431—433. 1861.

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Bland.—List of Birds of Bermuda. By Lieut. Bland, R. E. Communicated by John R. Willis. Report for 1858, pp. 286—289. 1859.

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Newton.—Suggestions for Saving Parts of the Skeletons of Birds. By Alfred Newton. Report for 1860, pp. 417—421. 1861.

Baird.—Report on the Fishes observed on the Coasts of New Jersey and Long Island during the summer of 1854. By Spencer F. Baird. Report for 1854, pp. 317—353. 1855.

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Extra edition of the preceding article with alphabetical index added.

Gill.—On the Fishes of New York. By Theodore Gill. Report for 1856, pp. 253—269. 1857.

Taylor.—An Account of the Grasshoppers and Locusts of America. By A. S. Taylor. Report for 1858, pp. 200—214. 1859.

Motschulsky.—On the Means of Destroying the Grasshopper. By V. Motschulsky. Translated from the Russian by Prof. W. W. Turner. Report for 1858, pp. 214—228. 1859.

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Carpenter.—Lectures on the Shells of the Gulf of California. By P. P. Carpenter. Report for 1859, pp. 194—219. 1860.

Carpenter.—Lectures on Mollusca, or "Shellfish," and their Allies. By P. P. Carpenter. Report for 1860, pp. 150—283. 1861.

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BOTANY AND BOTANICAL GEOGRAPHY.

Harvey.—Substance of a Course of Lectures on Marine Algae. By W. H. Harvey. Report for 1855, pp. 87—130. 1856.

Martens.—Vegetable Colonization of the British Isles, of Shetland, Faroe, and Iceland. By Charles Martens. Translated from the French for the Smithsonian Institution. Report for 1858, pp. 229—245. 1859.

Cooper.—On the Distribution of the Forests and Trees of North America, with notes on its physical geography. By Dr. J. G. Cooper. Report for 1858, pp. 246—280. 1859. Continuation. Report for 1860, pp. 439—442. 1861.

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Le Conte.—Lectures on Coal. By Prof. Joseph Le Conte. Report for 1857, pp. 119—168. 1858.

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Catalogues of Rocks, Minerals, and Ores collected during various U. S. Geological Surveys, and deposited in the Smithsonian Institution. Collections by Dr. C. T. Jackson, Dr. John Locke, J. W. Foster, J. D. Whitney, and Dr. D. D. Owen. Report for 1854, pp. 338—396. 1855.

Smith.—Lecture on Meteoric Stones. By Prof. J. Lawrence Smith. Report for 1855, pp. 151—174. 1856.

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Flourens.—Memoir of Pyramus De Candolle. By M. Flourens. Translated for the Smithsonian Institution by C. A. Alexander. Report for 1859, pp. 271—283. 1860.

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The Microscope. Translated from the German by C. A. Alexander. Report for 1860, pp. 344—354. 1861.

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OF

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MAY, 1862.

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| <p>A. Proceedings Regents, 1846.
 B. Rep. Com. Organization.
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 F. First Rep. Sec. S. I., 1847.
 G. Annual Report S. I. (1st), 1846.
 H. " " " (2d), 1847.
 I. " " " (3d), 1848.
 J. Programme Organization.
 K. Corresp. on work of Squier & Davis.</p> <p>1. Contributions, Vol. I.
 J*. Squier & Davis. Anc. Mon. Miss. Val.
 2. Owen. Hints Pub. Archit.
 3. Walker. Mem. Neptune.
 4. " Eph. Nept., 1848.
 5. " " 1795—1849.
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 8. Downes. Occultations, 1848.
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 12. Lieber. Laura Bridgeman.
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 26. Contributions, Vol. II.
 27. Booth & Morfit. Recent Imp. Chem. Arts.</p> | <p>28. Annual Report S. I. (5th), 1850.
 29. Downes. Occultations, 1852.
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 44. Leidy. Fauna and Flora in Animals.
 45. Wyman. Rana pipiens.
 46. Torrey. Plantæ Fremontianæ.
 47. Jewett. Sm. Catalogue System.
 48. Girard. Am. Nat. Hist. Bibl., 1851.
 49. Baird & Girard. N. A. Serpents.
 50. Stimpson. Marine Inverteb. Grand Manan.
 51. Annual Report S. I. (6th), 1851.
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 65. Registry Period. Phenom.
 66. Annual Eclipse, May, 1854.
 67. Annual Report S. I. (8th), 1853.</p> |
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68. **Mitchell.** Vocab. of Jargon.
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109. Annual Report S. I. (13th), 1858.
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144. " Synops. Viviparidae, etc.
145. **Prime.** Cyclades.
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147. Annual Report S. I. (15th), 1860.
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SMITHSONIAN MISCELLANEOUS COLLECTIONS.

L I S T

OF

FOREIGN CORRESPONDENTS

OF THE

SMITHSONIAN INSTITUTION.

CORRECTED TO JANUARY, 1862.



WASHINGTON:
SMITHSONIAN INSTITUTION.
MAY, 1862.

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As new editions of the list will be published from time to time, the Smithsonian Institution desires to receive any information relative to new addresses, changes of title or character of the old ones, typographical errors, etc.

JOSEPH HENRY,
Secretary S. I.

SMITHSONIAN INSTITUTION,
WASHINGTON, April, 1862.

(2)

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FOREIGN CORRESPONDENTS.

SCANDINAVIA.

Hit Konungliga Norræna Fornfræda Fèlag (Royal Society of Northern Antiquaries). (See *Copenhagen.*)

Nordisk Universitets-Tidsskrift (Journal of the Northern Universities).

Skandinaviske Naturforskeres Forsamling (Scandinavian Association of Naturalists).

SWEDEN.

Göteborg—Kongliga Vetenskaps- och Vitterhets-Samhället (Royal Society of Science and Belles Lettres).

Lund—Kongliga Universitetet.

Observatoriet.

Physiographiske Forening (Physiographic Association).

Stockholm—Kongliga Landbruks-Akademien (Royal Academy of Agriculture).

Kongliga Vetenskaps-Akademien (Royal Academy of Science).

Kongliga Vitterhets- Historie- och Antiquitets-Akademien (Royal Academy of Belles Lettres, History, and Antiquities).

Observatoriet.

Pharmaceutiska Institutet.

Riksbiblioteket (Royal Library).

Schwedische Gesellschaft der Aertze.

Svenska Akademien.

Upsala—Kongliga Universitetet.

Kongliga Vetenskaps-Societeten (Royal Society of Science).

Universitetets Observatoriet.

Westerås—Bibliotheca Arosiensis.

NORWAY.

Bergen—Bergensk Museum (Bergen's Museum).

Christiania—Forening til Norske Fortidsmindesterkers Bevarening (Society for the Preservation of Northern Antiquities).

Kongelige Norske Universitet.

Observatorium.

Videnskabs Selskab i Christiania (Scientific Society of Christiania).*

Trondhjem (Drontheim)—Kongelige Norske Videnskabs-ernes-Selskab (Royal Northern Society of Science).

ICELAND.

Reykjavík—Íslands Stíftisbókasafn (Iceland's Foundation Library).

Hít íslenska bókmentafélag (Publishers' Association of Iceland).

DENMARK.

Kjöbenhavn (Copenhagen)—Astronomisk Observatorium.

Danske Landmands-Forsamling (Association of Danish Agriculturists).

Kongelige Bibliothek.

Kongelige Danske Selskab for Fædrelandets Historie og Sprog (Royal Danish Society of National History and Language).

Kongelige Danske Søkort-Archivet. (Hydrographic Office.)

* Replacing the Physiographiske Forening.

Kongelige Danske Videnskabernes-Selskab (Royal Danish Society of Science).
 Kongelige Landhuusholdnings-Selskab (Royal Society of Rural Economy).
 Kongelige Nordiske Oldskrift-Selskab (Royal Society of Northern Antiquaries).
 Naturhistoriske Forening.
 Samfund til den Danske Literaturs Fremme (Society for the Advancement of Danish Literature).
 Tidskrift for Veterinær (Veterinary Journal).
 Veterinær-Selskab (Veterinary Society).

RUSSIA.

Astrakhan—Obshtshestvo Morskikh Wratchei (Society of Naval Physicians).
Cronstadt—Cronstatskaia flotskaia Biblioteka (Naval Library of Cronstadt).
 Morskaia Biblioteka (Naval Library).
 Morskaia Observatoriya (Naval Observatory).
 Obshtshestvo Morskikh Wratchei (Society of Naval Physicians).
Dorpat—Dorpater Naturforscher-Gesellschaft.
 Gelehrte Esthnische Gesellschaft.
 K. Universitäts-Sternwarte.
 Universität.
Helsingfors—Finske Läkare Sällskapet. (Society of Physicians of Finland.)
 Magnetisches und meteorologisches Observatorium.
 Societas Scientiarum Fennica.
 Universität.
Kasan—Imper. Kazanskii Universitet.
 Observatorium.
Kharkow—Universität.
Irkutsk—Société géographique.
Kiew—Imperatorskyy Universitet Swjatago Wladimira (Imperial University of the Holy Wladimir).
 Observatorium.

Mitau—Kurländische Gesellschaft für Literatur und Kunst.

Moskwa (Moscow)—Imper. Moscovskii Universitet.

Imperat. Obshtshestvo Istorii i Drevnostei Rossiakih
pri Moskovskom Universitete (Imperial Society of
Russian History and Antiquities of the University
of Moscow).

Imper. Obshtshestvo Selskago Khozaistva (Imperial
Agricultural Society).

Observatorium.

Société Impériale des Naturalistes de Moscou.

Nicolaieff—

Nicolaievsk (Amoor River)—Obshtshestvo Morskikh Wrat-
chei (Society of Naval Physicians).

Odessa—Bibliothèque Publique.

Glavnoé Outchilitché Sadovodstva (Central Horticul-
tural School).

Gorodskaiá Poublichnaia Biblioteka (Public City
Library).

Obshtshestvo Selskago Khozjaistva Joujnoi Rossii
(Society of Rural Economy of Southern Russia).

Odesskoé Obshtshestvo Istorii i Drevnostei (Historical
and Antiquarian Society of Odessa).

Outchilishtché Glucho-nemigh (Deaf and Dumb Insti-
tution).

Orenburg—Bibliothèque publique.

Pulkowa—Observatoire Impérial.

Reval—Esthländische litterarische Gesellschaft.

Riazan—Publitshnaja Biblioteka (Public Library).

Riga—Gesellschaft für Geschichte und Alterthumskunde der
russischen Ostsee-Provinzen.

Gesellschaft Praktischer Ärzte.

Museum.

Naturforschender Verein.

St. Petersburg—His Imperial Majesty the Emperor of Russia.

Gidrographitseskii Departament Morskago Minis-
terstva (Hydrographical Department of the Minis-
try of Marine and Depot of Naval Charts of Rus-
sia).

Imperat. Akademija Nauk (Imperial Academy of Sciences).

Imper. Arkheologitcherskoje Obschestvo (Imperial Archæological Society).

Imper. Publitchnaja Biblioteka (Imperial Public Library).

Imperat. Russkoe Geographitsheskoe Obshtshestvo (Imperial Russian Geographical Society).

Imper. St. Peterburgskii Universitet.

Imperat. Volnoe Ekonomitsheskoe Obshtshestvo (Imperial Free Economical Society).

Kais. pharmaceutische Gesellschaft.

Kais. Russ. Mineralogische Gesellschaft.

Ministerstvo narodnago prosvestchenija (Ministry of Public Instruction).

Morskoi-Outchenoi Comitet (Scientific Committee of the Marine).

Morskoje Ministerstvo (Ministry of the Marine).

Obshtshestvo Morskikh Wratchei (Society of Naval Physicians).

Shtab Korpussa gornyxh Ingeneroff (Staff of the Corps of the Mining Engineers).

Statistitsheskii Tsentralnii Komitet (Central Statistical Committee).

Tsentralnaja fizicheskaja Observatoria (Central Physical Observatory).

Vostotchnoi Institut (Oriental Institute).

Tiflis—Bibliothèque Publique.

Observatoire Magnétique et Météorologique.

Société Géographique du Caucase.

Toula—Bibliothèque Publique.

Vilna—Arkheologitsheskaja Kommissia (Archæological Commission).

Observatoire Astronomique.

Warschau (Warsaw)—Académie Médico-Chirurgicale.

Biblioteka Towarzystwa Rolnierego Krolestwa Polskiego (Agronomical Society of Poland).

Observatoire Astronomique.

DE NEDERLANDEN. (HOLLAND.)

Amsterdam (*Noord-Holland*)—Koninklijke Akademie van Wetenschappen (Royal Academy of Sciences).

Koninklijk Zoologisch Genootschap "Natura Artis Magistra" (Royal Zoological Society).

Stadsbibliotheek (City Library).

Vereeniging voor Volksvlucht (Association for Popular Industry).

Wiskundig Genootschap: "Een onvermoeide Arbeid komt alles te boven" (Mathematical Society: "Untiring industry overcomes all").

Arnhem (*Gelderland*)—Genootschap "Tot Nut en Vergenoe-gen" (Society for Utility and Amusement).

Openbare Bibliotheek (Public Library).

Bois-le-Duc (*Brabant*)—Bibliotheek Noord-Brabant.

Société Littéraire du Brabant Hollandais.

Delft (*Zuid-Holland*)—Bureau Technologique.

Koninklijke Akademie ter opleiding van burgerlijke ingenieurs enz (Royal Academy for the Education of Civil Engineers, etc.).

Deventer (*Overijssel*)—Openbare Bibliotheek (Public Library).

s'Gravenhage (The Hague) (*Zuid-Holland*)—Koninklijke Bibliotheek (Royal Library).

Koninklijk Instituut van Ingenieurs (Royal Institute of Engineers).

Nederlandsche Entomologische Vereeniging (Entomological Society of the Netherlands).

Groningen (*Groningen*)—Academia Groningana.

Genootschap ter Bevordering der Natuurkundig Wetenschappen (Society for the Advancement of Natural Sciences).

Haarlem (*Noord-Holland*)—Geologische Commissie in Nederland (Geological Commission of the Netherlands).

Hollandsche Maatschappij der Wetenschappen (Society of Sciences of Holland).

Nederländische Ökonomische Gesellschaft.

Teyler's Genootschap.

Hertogenbosch (*Noord-Brabant*)—Provinciaal Genootschap van Kunsten en Wetenschappen in Noord-Brabant.

Hoorn—Societas Medico-Physica Hornana.

Leeuwarden (*Friesland*)—Friesch Genootschap van Geschied-oudheid-en taalkunde (Friesland Society of History, Antiquity, and Philology).

Leiden (*Zuid-Holland*)—Academia Lugduno-Batava.

Maatschappij der Nederlandsche Letterkunde (Society of Literature of the Netherlands).

Rijk's Observatorium (National Observatory).

Rijk's Museum van Natuurlijke Geschiedenis (National Museum of Natural History).

Vereeniging voor de Flora van Nederland.

Middelburg (*Zeeland*)—Het Zeeuwsch Genootschap der Wetenschappen.

Provinciale Bibliotheek van Zeeland.

Rotterdam (*Zuid-Holland*)—Bataafsch Genootschap der Proefondervindelijke Wijsbegeerte (Batavian Society of Experimental Philosophy).

Utrecht (*Utrecht*)—Academia Rheno-Trajectina.

Archiv für holländische Beiträge zur Natur- und Heilkunde.

Historisch Genootschap.

Koninklijk Nederlandsch Meteorologisch Instituut. Observatorium.

Provinciaal Utrechtsch Genootschap van Kunsten en Wetenschappen (Provincial Society of Arts and Sciences of Utrecht).

Zwolle (*Overijssel*)—Overijsselsche Vereeniging tot Ontwikkeling van Provinciale Welvaart (Overijssel Society for Promotion of Provincial Welfare).

Vereeniging tot beoefening van Overijsselsch Rigt en Geschiedenis (Society for the Cultivation of Overijssel Jurisprudence and History).

GERMANY including AUSTRIA and PRUSSIA.

Allgemeine Deutsche Apotheker Verein.

Deutsche Ornithologen-Gesellschaft.

Verein der Süddeutschen Forstwirthe.

Versammlung Deutscher Land- und Forstwirthe.

Versammlung Deutscher Naturforscher und Aerzte.

Aachen (*Prussia*)—Verein für nützliche Wissenschaften und Gewerbe.

Agram (*Austria*)—Handels und Gewerbekammer für Kroatien.
K. K. Kroatisch-Slavonische Landwirthschafts-Gesellschaft.

Gesellschaft für südslav. Geschichte und Alterthümer.

Altenburg (*Saxe-Altenburg*)—Geschichts- und Alterthumsforschende Gesellschaft.

Naturforschende Gesellschaft des Osterlandes.

Pomologische Gesellschaft.

Altona (*Holstein*)—Sternwarte.

Thierschutz Verein.

Ansbach (*Bavaria*)—Historischer Verein in Mittelfranken.

Arolsen (*Waldeck*)—Landwirthschaftlicher Verein im Fürstenthum Waldeck.

Augsburg (*Bavaria*)—Historischer Verein für Schwaben und Neuburg.

Landwirthsch. Verein von Schwaben und Neuburg.

Naturhistorischer Verein.

Bamberg (*Bavaria*)—Naturforschende Gesellschaft.

Bendorf (*Prussia*)—Deutsche Gesellschaft für Psychiatrie und gerichtliche Psychologie.

Berlin (*Prussia*)—Seine Majestät der König von Preussen.

Acclimatisations-Verein für die Preuss. Staaten.

Botanischer Verein für die Provinz Brandenburg, etc.

Central Verein für das Wohl der arbeitenden Klassen.

Deutsche Geologische Gesellschaft.

Entomologischer Verein.

General-Direction der Königlichen Museen.

Gesellschaft für Erdkunde.

Gesellschaft Naturforschender Freunde.

Gewerbe-Institut.

Königliche Bibliothek.

Königliches Landes-Oeconomie-Collegium.

Königlich Preussische Akademie der Wissenschaften.
 Königlich Preussischer Generalstab der Armee.
 Königlich Preussische Kriegs-Akademie.
 Königlich Preussische Technische Bau-Deputation.
 Meteorologisches Institut.
 Physikalische Gesellschaft.
 Polytechnische Gesellschaft.
 Redaction des Archivs für path. Anatomie.
 Redaction des Landwirthschaftlichen Verein.
 Redaction des Nautischen Jahrbuchs (Dr. C. Brem-
 ker).
 Redaction des Statistischen Central-Archivs (Dr. O.
 Hübner).
 Statistisches Bureau.
 Stenographischer Verein.
 Universitäts-Bibliothek.
 Universitäts-Sternwarte.
 Verein Deutscher Ingenieure.
 Verein für deutsche Statistik.
 Verein für Eisenbahnkunde.
 Verein zur Beförderung des Gartenbaues.
 Verein zur Beförderung des Gewerbefleisses in Preussen.
 Vereinigte Artillerie und Ingenieur Schule.

Bernburg (*Anhalt*)—Norddeutscher Apotheker-Verein.

Bilk (bei Düsseldorf) (*Prussia*)—Sternwarte.

• **Blankenburg** (*Brunswick*)—Naturwissenschaftlicher Verein
des Harzes.

Bonn (*Prussia*)—K. Sternwarte.

Landwirthschaftlicher Central-Verein für Rhein-
preussen.

Naturhistorischer Verein der preussischen Rhein-
lande und Westphalens.

Niederrheinische Gesellschaft für Natur u. Heilkunde.

Redaction des Wiegmann'schen Archivs für Natur-
geschichte. (Prof. Troschel.)

Universitäts-Bibliothek.

Universitäts-Sternwarte.

Verein von Alterthumsfreunden im Rheinlande.

Braunsberg—Physikalisch-Medicinische Gesellschaft.

- Braunschweig** (*Brunswick*)—F. Vieweg und Sohn.
Garten-Verein im Herzogthum Braunschweig.
- Bremen** (*Hanse-Town*)—Stadt-Bibliothek.
Sternwarte.
- Breslau** (*Prussia*)—Blinden-Anstalt.
Gewerbe-Verein.
Königl. Preuss. Ober-Berg-Amt.
Landwirthschaftlicher Central-Verein für Schlesien.
Schlesische Blinden-Unterrichts-Anstalt.
Schlesische Gesellschaft für vaterländische Cultur.
Schlesischer Verein für Berg-und Hüttenkunde.
Universitäts-Bibliothek.
Universitäts-Sternwarte.
Verein für schlesische Insektenkunde.
- Bregenz** (*Austria*)—Naturforschender Verein.
- Bromberg** (*Prussia*)—Landwirthschaftlicher Central-Verein für
den Netze-District.
- Brünn** (*Austria*)—K. K. Mährisch-schlesische Gesellschaft für
Ackerbau Natur- und Landeskunde.
Mährisch-schlesische Blinden-Erziehungs-Institute.
Werner-Verein zur geologischen Durchforschung von
Mähren und Schlesien.
- Buda** (*Austria*)—Á Magyar Tudomanyos Akademia.
- Cassel.** See *Kassel*.
- Celle** (*Hannover*)—Landwirthschaftliche Gesellschaft.
- Clempenow bei Anclam** (*Prussia*)—Baltischer Verein zur
Beförderung des Landwirthschaft.
- Coblenz.** See *Koblenz*.
- Cracau.** See *Krakau*.
- Czernowitz** (*Austria*)—Verein für Landeskultur und Landes-
kunde im Herzogthume Bukowina.
- Danzig** (*Prussia*)—Landwirthschaftlicher Central-Verein.
Naturforschende Gesellschaft.
Sternwarte.
- Darmstadt** (*Hessia*)—Gartenbau-Verein.
Grossherzoglich Hessische Central-Stelle für die Land-
wirthschaft.

Grossherz. Hessischer Gewerbe-Verein.

Grossherzogliche Hof-Bibliothek.

Mittelrheinisch-geologischer Verein.

Naturhistorischer Verein für das Grossherz. Hessen.

Verein für Erdkunde u. verwandte Wissenschaften.

Deidesheim (*Bavaria*)—Pollichia: Naturwissenschaftlicher Verein der bayerischen Pfalz.

Dessau (*Anhalt*)—Naturhistorischer Verein.

Dresden (*Saxony*)—Seine Majestät der König von Sachsen.

Flora: Gesellschaft für Botanik und Gartenbau.

Gesellschaft für Natur- und Heilkunde.

Gesellschaft "Isis."

Gewerbe-Verein.

Königliche Bibliothek.

Königliche Blinden-Anstalt.

K. Sächsische Oekonomische Gesellschaft.

Königl. sächs. Verein für Erforschung und Erhaltung vaterländischer Alterthümer.

K. Sammlung für Kunst u. Wissenschaften.

Sächsische Ingenieur-Verein.

Statistisches Bureau.

Elberfeld (*Prussia*)—Naturwissenschaftl. Verein v. Elberfeld u. Barmen.

Eldena (*Prussia*)—Baltischer Central Verein.

Gartenbau Verein für Neuvorpommern und Rügen.

K. P. Staats- und landwirthschaftl. Akademie Eldena.

Emden (*Hannover*)—Naturforschende Gesellschaft.

Taubstummen Anstalt.

Ems (*Nassau*)—Redaction der Balneologischen Zeitung.

Erfurt (*Prussia*)—Akademie Gemeinnütziger Wissenschaften.

Gartenbau-Verein.

Erlangen (*Bavaria*)—Universitäts-Bibliothek.

Physikalisch-Medicinische Gesellschaft.

Frankfurt-an-der-Oder (*Prussia*)—Historisch-Statistischer Verein.

Frankfurt-am-Main (*Hanse-Town*)—Aerztlicher Verein.

Gartenbaugesellschaft "Flora."

Physikalischer Verein.

Senckenbergische naturforschende Gesellschaft.

Verein für Geographie und Statistik.

Zoologische Gesellschaft.

Freiberg (*Saxony*)—Königlich Sächsische Bergakademie.

Freiburg (*Baden*)—Gesellschaft für Beförderung der Naturwissenschaften.

Universitäts-Bibliothek.

Friedberg (*Hessia*)—Blinden-Anstalt.

Taubstummen-Anstalt.

Fürth (*Bavaria*)—Gewerbe-Verein der Stadt Fürth.

Giessen (*Hessia*)—Historischer Verein.

Oberhessische Gesellschaft für Natur- und Heilkunde.

Universitäts-Bibliothek.

Verein für Microscopie.

Zoologisches Museum.

Görlitz (*Prussia*)—Naturforschende Gesellschaft.

Oberlausitzer Gesellschaft der Wissenschaften.

Verein für Hühnerzucht.

Göttingen (*Hannover*)—Königliche Gesellschaft der Wissenschaften.

Sternwarte.

Universitäts-Bibliothek.

Gotha (*Saxe-Koburg-Gotha*)—Geographische Anstalt.

Herz. Bibliothek der Friedenstein'schen Sammlungen.

Sternwarte.

Thüringer Gartenbau-Verein.

Grätz (*Austria*)—Geognostisch-Montanistischer Verein für Steiermark.

Historischer Verein für Steiermark.

K. K. Steiermärkische Landwirthschafts-Gesellschaft.

Steiermärkisch-Ständisches Joanneum.

Steiermärkischer Industrie- und Gewerbe-Verein.

Greifswald (*Prussia*)—Universitäts-Bibliothek.

Gumbinnen (*Prussia*)—Landwirthschaftlicher Central-Verein für Littauen und Masuren.

Hall (*Austria*)—Verein zur Durchforschung Tirols und Vorarlbergs.

- Halle** (*Prussia*)—Naturforschende Gesellschaft.
 Naturwissenschaftlicher Verein für Sachsen und Thüringen.
 Thüringisch-Sächsischer Verein für vaterländische Alterthumskunde.
 Universitäts-Bibliothek.
- Hamburg** (*Hanse-Town*)—Blinden-Anstalt.
 Commerz-Bibliothek.
 Johanneum.
 Naturwissenschaftlicher Verein.
 Stadt-Bibliothek.
 Sternwarte.
 Thierschutz-Verein.
 Verein für Hamburgische Geschichte.
 Verein für Handelsfreiheit.
- Hanau** (*Hessia*)—Wetterauer Gesellschaft für die gesammte Naturkunde.
- Hannover** (*Hannover*)—Gewerbe-Verein für das K. Hanover.
 4 Königliche Bibliothek.
 Naturhistorische Gesellschaft
 Statistisches Bureau.
- Heidelberg** (*Baden*)—Naturhistorisch-medicinischer Verein.
 Süddeutscher Apotheker Verein.
 Universitäts-Bibliothek.
- Hermannstadt** (*Austria*)—Siebenbürgischer Verein für Naturwissenschaften.
 Verein für Siebenbürgische Landeskunde.
- Hohenleuben** (*Saxony*)—Voigtländischer Alterthumsforschender Verein.
- Innsbruck** (*Austria*)—Ferdinandenum.
 K. K. Landwirthschafts-Gesellschaft für Tirol und Vorarlberg.
 Universitäts-Bibliothek.
- Jauer** (*Austria*)—Ökonomisch-patriotische Gesellschaft für das Fürstenthum Schweidnitz und Jauer.
- Jena** (*Saxe-Weimar*)—Kaiserliche Leopoldino-Carolinische Deutsche Akademie.
 Redaction der Zeitschrift für Deutsche Landwirthe.

- Joachimsthal** (*Austria*)—Montanistischer Verein.
- Karlsruhe** (*Baden*)—Badischer Alterthums-Verein.
Centralstelle für die Landwirthschaft.
Gewerbe Verein.
Grossherzogliche Hofbibliothek.
- Kassel** (*Hessia*)—K. Commission für Landwirthschaftliche Angelegenheiten in Kurhessen.
Kurhessische Landes Bibliothek.
Redaction des Journals für Ornithologie.
Verein für Hessische Landeskunde.
- Kiel** (*Holstein*)—Landwirthschaftlicher Generalverein des Herzogthums Holstein.
S. H. L. Gesellschaft für die Sammlung und Erhaltung vaterl. Alterthümer.
Schleswig-Holstein-Lauenburgische Gesellschaft für vaterländische Geschichte.
Universitäts-Bibliothek.
Verein nordlich der Elbe für Verbreitung naturwissenschaftlicher Kenntniss.
- Klagenfurt** (*Austria*)—Geschichts-Verein für Kärnten.
Kärntnischer Industrie u. Gewerbe-Verein.
K. K. Landwirthschafts-Gesellschaft.
Naturhistorisches Museum.
- Klausenburg** (*Austria*)—Erdélyi Muzeum Egylet (Society of the Transylvanian Museum).
- Klausthal** (*Hannover*)—Naturwissensch. Verein "Maja."
- Koblenz** (*Prussia*)—Naturhistorischer Verein.
- Koburg** (*Saxe-Koburg-Gotha*)—Verein für Naturkunde im Herzogthum Sachsen-Koburg.
- Köln**—Hist. Verein für den Niederrhein.
Landwirthschaftlicher Verein.
- Königsberg** (*Prussia*)—Centralstelle der Landwirthschaftlichen Vereine des Regierungs-Bezirks Königsberg.
Östpreussische Physikalisch-Ökonomische Gesellschaft.
Physikalisch-Medicinische Gesellschaft.
Preuss. Provinzial Verein für Blinden Unterricht.
Sternwarte.
Universitäts-Bibliothek.

Krakau (*Austria*)—C. K. Towarzystwo Naukowe Krakowskie.
(Society of Science of Cracow.)
Uniwersytet Krakowski.
Sternwarte.

Kremsmünster (*Austria*)—Sternwarte.

Laibach (*Austria*)—Landes-Museum.
Histor. Verein für Krain.

Leipzig (*Saxony*)—Dr. Felix Flügel (*Agent Smithsonian Institution*).

Deutsche Morgenländische Gesellschaft.
F. A. Brockhaus' Verlagsbuchhandlung.
Fürstlich Jablonowski'sche Gesellschaft.
Königlich Sächsische Gesellschaft der Wissenschaften.
Naturforschende Gesellschaft.
Polytechnische Gesellschaft.
Stadt-Bibliothek.
Taubstummen Anstalt.
Universitäts-Bibliothek.
Universitäts-Sternwarte.

Lemberg (*Austria*)—Biblioteka Zaklada Ossolinskich.

Liegnitz (*Prussia*)—Landwirthschaftlicher Verein.

Linz (*Austria*)—Handels- und Gewerbekammer Oberösterreichs.
Museum Francisco-Carolinum.

Lübeck (*Hanse-Town*)—Bibliothek zu S. Catharinen.
Kunst- und Naturalien Cabinet.
Museum für Kunst und Natur.
Verein für lübeckische Geschichte.

Ludwigshafen (——)—Versammlung Rheinscher Naturforscher.

Lüneburg (*Hannover*)—Naturwissenschaftlicher Verein.
Alterthums-Verein.

Luxembourg (*Luxenburg*)—Société des Sciences Naturelles
du Grand-Duché de Luxembourg.

Mainz (*Hessia*)—Grossherzoglich Handels-Kammer.
Rheinische Naturforschende Gesellschaft.

Mannheim (*Baden*)—Sternwarte.
Verein für Naturkunde.

Marburg (*Hessia*)—Gesellschaft zur Beförderung der gesammten Naturwissenschaften.

Sternwarte.

Universitäts-Bibliothek.

Marlenwerder (*Prussia*)—Verein Westpreussischer Landwirthe.

Meiningen (*Saxe-Meiningen*)—Verein für Pomologie und Gartenbau.

Meissen (*Saxony*)—Naturwissenschaftliche Gesellschaft "Isis."

Mengeringhausen (*Waldeck*)—Landwirthschaftlicher Verein im Fürstenthume Waldeck.

Merseburg (*Prussia*)—Landwirthschaftlicher Central-Verein für die Provinz Sachsen.

München (**Munich**) (*Bavaria*)—Historischer Verein für Oberbaiern.

Königlich Baierische Akademie der Wissenschaften.

Königl. Botanischer Garten.

Königliche Hof- und Staats-Bibliothek.

K. Quartiermeister Stab.

Königl. Staats-Ministerium.

K. Universitäts-Bibliothek.

Landwirthschaftlicher Verein.

Polytechnischer Verein.

Sternwarte.

Verein für Naturkunde.

Münster (*Prussia*)—Landwirthschaftlicher Central-Verein für Westphalen.

Neu-Brandenburg (*Mecklenburg*)—Verein der Freunde der Naturgeschichte in Mecklenburg.

Nordhausen (*Prussia*)—Wissensch. Verein.

Nürnberg (*Bavaria*)—Germanisches Museum.
Naturhistorische Gesellschaft.

Offenbach (*Hessia*)—Verein für Naturkunde.

Oldenburg (*Oldenburg*)—Grossherzogliche Bibliothek.

Olmütz (*Austria*)—K. K. Studien Bibliothek.

Passau (*Bavaria*)—Naturhistorischer Verein.
Praktische Gartenbau-Gesell. in Baiern.

- Pesth** (*Austria*)—Geologische Gesellschaft für Ungarn.
 Kiralyi Magyar Termeszettudományi Társulat. (Ungarischer Naturwissenschaftlicher Verein).
 K. K. Obergymnasium.
 K. K. Sternwarte.
 Magyar Nemzeti Museum (Hungarian National Museum).
 Magyar Tudós Társaság. (Ungarische Gelehrte Gesellschaft.)
 Pesther Handels-Akademie.
 Universitäts-Bibliothek.
- Plauen** (*Saxony*)—Verein für Natur- und Heilkunde.
- Posen** (*Prussia*)—Bibliothèque de Kurnik.
 Raczyński Bibliothek.
- Potsdam** (*Prussia*)—Botanischer Verein für die Provinz Brandenburg.
 Landwirthschaftlicher Provinzial-Verein.
 Verein zur Beförderung des Seidenbaues.
- Prag** (*Austria*)—Böhmischer Gewerbe-Verein.
 Königlich Böhmische Gesellschaft der Wissenschaften.
 Königlich Böhmisches Museum.
 K. K. Patriotisch-ökonomische Gesellschaft.
 K. K. Sternwarte.
 Medicinische Facultät.
 Naturhistorischer Verein "Lotos."
 Schafzüchter-Verein für Böhmen.
 Universitäts-Bibliothek.
- Premislaß (bei Labes)** (*Prussia*)—Pommersche Ökonomische Gesellschaft.
- Pressburg** (*Austria*)—Verein für Naturkunde.
- Regensburg** (*Bavaria*)—Historischer Verein für die Ober-Pfalz.
 K. Baierische Apotheker Verein.
 K. Baierische botanische Gesellschaft.
 Zoologisch-Mineralogischer Verein.
- Rostock** (*Mecklenburg*)—Naturwissenschaftliches Institut der Universität.
 Mecklenburgische Naturforschende Gesellschaft.
 Universitäts-Bibliothek.

Salzburg (*Austria*)—K. K. Landwirthschafts Gesellschaft.

• Vaterländisches Museum Carolino-Augusteam.

Schwerin (*Mecklenburg-Schwerin*)—Grossherzogliches Statistisches Bureau.

Regierungs-Bibliothek.

Verein für Mecklenburgische Geschichte und Alterthumskunde.

Sigmaringen (*Prussia*)—Landwirthschaftliche Centralstelle des Vereins zur Beförderung der Landwirthschaft und der Gewerbe für die Hohenzollernschen Lande.

Sondershausen (*Schwarzburg-Sondershausen*)—Verein zur Beförderung der Landwirthschaft.

Speier (*Bavaria*)—Historischer Verein für Rheinbaiern.
Sternwarte des Königl. Lyzeums in Speier.

Stettin (*Prussia*)—Entomologischer Verein.
Gesellschaft für pommersche Geschichte und Alterthumskunde.

Stuttgart (*Württemberg*)—Seine Majestät der König von Württemberg.

Gartenbau-Gesellschaft "Flora."

Gesellschaft für die Weinverbesserung in Württemberg.
Gewerbe-Verein.

Heilgymnastisches Institut.

K. Centralstelle für die Landwirthschaft.

K. Centralstelle für Gewerbe und Handel.

K. Öffentliche Bibliothek.

K. Statistisch-topographisches Bureau.

Königliches Staats Archiv.

Verein Deutscher Eisenbahn-Verwaltungen.

Verein für Vaterländ. Naturkunde in Württemberg.

Verein zur Fürsorge für entlassene Strafgefangene.

Württembergischer Alterthums-Verein.

Württembergischer Ärztlicher Verein.

Tharand (*Saxony*)—Königlich Sächs. Akademie für Forst- und Landwirthe.

Trier (*Prussia*)—Gesellschaft für nützliche Forschungen.

Trieste (*Austria*)—Civico Museo Ferdinando-Massimiliano.
Gartenbau-Gesellschaft des Litorale.

K. K. Hydrographische-Anstalt und Marine-Sternwarte (Director, Dr. Schaub).

K. K. Nautische Akademie (Director, H. Littrow).

Tübingen (*Württemberg*)—Landwirthschaftlicher Verein.
Universitäts-Bibliothek.

Vicenza (*Austria*)—Accademia Olimpica.

Weilburg (*Nassau*)—Verein Nassauischer Ärzte.

Weimar (*Saxe-Weimar*)—Geographisches Institut.
Verein für Blumistik und Gartenbau.

Wien (Vienna) (*Austria*)—Seine Kaiserlich-Königliche Majestät der Kaiser von Österreich.

Central-Verein Deutscher Zahnärzte.

Comité der Allgemeinen Versammlung von Berg- und Hüttenmännern.

Kaiserliche Akademie der Wissenschaften.

K. K. Central-Anstalt für Meteorologie u. Erd-Magnetism.

K. K. Direction des Administrativen Statistik.

K. K. Gartenbau-Gesellschaft.

K. K. Geographische Gesellschaft.

K. K. Geologische Reichsanstalt.

K. K. Handels-Ministerium.

K. K. Hofbibliothek.

K. K. Hof- und Staatsdruckerei.

K. K. Landwirthschafts-Gesellschaft.

K. K. Naturalien Kabinet.

K. K. Ober-Gymnasium zu den Schotten.

K. K. Orientalische Akademie.

K. K. Sternwarte.

K. K. Zoologisch-Botanische Gesellschaft.

Niederösterreichische Gewerbe-Verein.

Österr. Ingenieur-Verein.

Polytechnische Gesellschaft.

Redaction der Entomologischen Monatschrift.

Redaction der Österreichischen Zeitschrift für praktische Heilkunde.

Universitäts-Bibliothek.

Wiesbaden (*Nassau*)—Gewerbe-Verein für das Herzogthum Nassau.

Verein für Nassauische Geschichte u. Alterthums-
kunde.

Verein für Naturkunde.

Worms (*Hesse Darmstadt*) Grossherz. Handels-Kammer.

Verein Nassauischer Land- und Forstwirthe.

Würzburg (*Bavaria*)—Historischer Verein von Unterfranken
und Aschaffenburg.

Physikalisch-Medicinische Gesellschaft.

Polytechnischer Verein.

Universitäts-Bibliothek.

Zara (*Austria*)—Società Economica di Dalmazia.

SWITZERLAND.

Allgemeine Schweizerische Gesellschaft für die gesammten Natur-
wissenschaften. (See *Bern*.)

Versammlung Schweizerischer Naturforscher.

Aarau—Aargauische Naturforschende Gesellschaft.

Basel—Gesellschaft für vaterländische Alterthümer.

Gesellschaft zur Beförderung des Guten und Gemein-
nützigen.

Naturforschende Gesellschaft.

Universitäts-Bibliothek.

Bern—Allgemeine Schweizerische Gesellschaft für die gesammten
Naturwissenschaften.

Conseil Fédéral Suisse. (Schweizerisches Bundes
Rath.)

Eidgenössisches Statistisches Bureau.

Kanton-Schule.

Naturforschende Gesellschaft.

Sternwarte.

Universitäts-Bibliothek.

Chur—Naturforschende Gesellschaft Graubündens.

Genève—Bibliothèque de la Ville.

Institut National Genevois.

Observatoire.

Société des Arts de Genève.

Société Genevoise d'Utilité Publique.

Société d'Histoire et d'Archéologie de Genève.

Société de Géographie.
Société de Physique et d'Histoire Naturelle.
Société Médicale.

Lausanne—Asile des Aveugles de Lausanne.
Bibliothèque Cantonale Vaudoise.
Société d'Histoire de la Suisse Romande.
Société Vaudoise des Sciences Naturelles.
Société Industrielle d'Horlogerie.

Neuchâtel—Société des Sciences Naturelles.

St. Gallen—Naturwissenschaftliche Gesellschaft.

Sion—Société Valaisanne des Sciences Naturelles.

Solothurn—Naturforschende Gesellschaft.

Yverdon—Institut des Sourds-Muets à Yverdon.

Zürich—École Polytechnique Fédérale.
Gesellschaft für Vaterländische Alterthümer.
Naturforschende Gesellschaft.
Universitäts-Bibliothek.

BELGIUM.

Anvers (Antwerp)—Académie d'Archéologie.
Société de Pharmacie.
Société Royale des Sciences.

Bruxelles (Brussels)—Académie Royale des Sciences, des
Lettres et des Beaux-Arts de Belgique.
Bibliothèque Royale de Belgique.
Établissement Géographique de Bruxelles.
Société Centrale d'Agriculture de Belgique.
Société Paléontologique de Belgique.
Observatoire Royal.
Société des Gens de Lettres Belges.
Société Royale Linnéenne de Bruxelles.
Société de Flora.

Gand (Ghent)—Université.
Société Royale d'Agriculture et de Botanique.

Liège—Société Royale des Sciences.
Société des Sciences Naturelles.

Louvain—Université Catholique.

Mons—Société des Sciences, des Arts et des Lettres du Hainaut.

FRANCE.

Institut des Provinces de France.

Congrès Scientifique de France.

Abbeville—Société Linnéenne du Nord du France.
Société Impériale d'Emulation.

Aix (*Bouche du Rhone*)—Académie des Sciences, Agriculture,
Arts et Belles-Lettres.

Amiens—Société des Antiquaires de Picardie.
Société Linnéenne du Département de Maine-et-Loire.

Angers—Société d'Agriculture, Sciences et Arts.
Société Académique de Maine-et-Loire.

Angoulême—Société d'Agriculture, Arts et Commerce du
Dép. de la Charente.

Arcueil—Société d'Arcueil.

Arras—Société d'Arras.

Bayeux—Société d'Agriculture, Sciences, Arts et Belles-Lettres.

Beauvais—Société Académique d'Archéologie, Sciences, et
Arts du Département de l'Oise.

Besançon—Académie des Sciences, Belles-Lettres et Arts.

Béziers (*Hérault*)—Société Archéologique.

Bordeaux—Acad. Impériale des Sciences, Belles-Lettres et Arts.
Chambre de Commerce.
Société d'Horticulture de la Gironde.
Société des Sciences Physiques et Naturelles.
Société Philomathique de Bordeaux.
Société Linnéenne de Bordeaux.

Brest—Bibliothèque de la Marine Impériale.

Caen—Académie des Sciences, Arts et Belles-Lettres.
Société d'Agriculture et de Commerce de Caen.
Société des Antiquaires de Normandie.
Société Linnéenne de Normandie.
Société de Médecine de Caen.

Chambéry—Société Imp. Académique de Savoie.
Académie Impériale de Savoie.

Châlons-sur-Marne—Société d'Agriculture, Commerce et Sciences de la Marne.

Cherbourg—Société Académique de Cherbourg.
Société Imp. des Sciences Naturelles de Cherbourg.

Clermont-Ferrand—Académie des Sciences, Belles-Lettres et Arts.

Dijon—Académie des Sciences, Arts et Belles-Lettres de Dijon.
Société d'Agriculture et d'Industrie Agricole du Département de la Côte d'Or.

Douai—Muséum d'Histoire Naturelle.

Dunkerque—Société Dunkerquoise pour l'Encouragement des Sciences.

Evreux—Société Libre d'Agriculture, Sciences, Arts et Belles-Lettres de l'Eure.

Le Mans—Société d'Agriculture, Science et Arts de la Sarthe.

Lille—Société Impériale des Sciences, de l'Agriculture et des Arts.

Lyon—Société Impériale de l'Agriculture, Histoire Naturelle et Arts Utiles de Lyon.
Académie des Sciences, Belles-Lettres et Arts de Lyon.
Société Linnéenne de Lyon.
Société Hydrométrique de Lyon.

Mâcon—Acad. de Mâcon : Soc. des Arts, Belles-Lettres et d'Agriculture.

Marseille—Académie des Sciences, Lettres et Arts.
Observatoire.

Mende—Société d'Agriculture, Industrie, Sciences et Arts du Département de la Lozère.

Metz—Académie Impériale de Metz.
Société d'Histoire Naturelle du Département de la Moselle.
Société des Sciences Médicales.

Montpellier—Société Archéologique de Montpellier.
Académie des Sciences et Lettres de Montpellier.
Société Générale d'Encouragement à la Sericulture.

Moulins—Société d'Horticulture de l'Allier.

Mulhouse—Société Industrielle.

Nancy—Académie de Stanislas.

Nîmes—Académie du Gard.

Orléans—Société des Sciences, Belles-Lettres et Arts d'Orléans.
Société Archéologique de l'Orléanaia.

Paris—Sa Majesté Impériale l'Empereur des Français.

Gustave Bossange et Co. (*Agents of the Smithsonian Institution*).

Académie Impériale de Médecine.

American Library.

Bibliothèque de la Ville de Paris.

Bibliothèque du Jardin des Plantes.

Bibliothèque Impériale.

Bureau des Longitudes.

Conservatoire des Arts et Métiers.

Dépot des Cartes et Plans.

École Impériale des Mines.

École Impériale et Spéciale des Langues orientales vivantes.

École Polytechnique.

Institut de France.

Institut Historique de France.

Ministère de la Guerre.

Ministère de la Marine.

Ministère de l'Instruction Publique et des Cultes.

Observatoire Impérial.

Société d'Anthropologia.

Société des Antiquaires.

Société Asiatique.

Société Botanique de France.

Société de Biologie.

Société de Géographie.

Société de l'École des Chartes.

Société d'Encouragement pour l'Industrie Nationale.

Société Entomologique.

Société de Pharmacie.

Société Française pour la conservation des Monuments Historiques.

Société Française de Statistique Universelle (*Acad. Nat. Agr. Manufactur. et Commerciale*).

Société Géologique de France.
 Société Impériale et Centrale d'Horticulture de Paris.
 Société d'Horticulture de la Seine.
 Société Médicale Allemande de Paris.
 Société Météorologique de France.
 Société Impériale et Centrale d'Agriculture.
 Société Orientale de France.
 Société Philomatique.
 Société Polytechnique.
 Société de Secours des Amis des Sciences.
 Société Zoologique d'Acclimatation.

Puy—Société d'Agriculture, Sciences, Arts et Commerce.

Reims—Académie de Reims.

Muséum d'Histoire Naturelle de Reims.
 Société des Sciences Naturelles.

Rouen—Académie des Sciences, Belles-Lettres et Arts de Rouen.

Saint-Quentin—Société des Sciences, Arts, Belles-Lettres, et
 Agriculture.

Société Académique.

Strasbourg—Société des Sciences Naturelles de Strasbourg.

Société des Sciences, Agriculture et Arts du Bas-
 Rhin.

Tarbes—Société Académique des Hautes-Pyrénées.

Toulon—Académie Navale.

Toulouse—Académie des Sciences, Inscriptions et Belles-Lettres
 de Toulouse.

Société Impériale de Médecine, Chirurgie et Phar-
 macie de Toulouse.

Tours—Société d'Agriculture, des Sciences, des Arts et des Belles-
 Lettres.

Troyes—Société d'Agriculture, Sciences, Arts, et Belles-Lettres
 de l'Aube.

ITALY.

Arezzo (*Tuscany*)—Accademia di Scienze, Lettere ed Arti.

Bergamo—Società Industriale Bergamasca.

- Bologna**—Accademia delle Scienze dell' Istituto di Bologna.
 Regio Istituto Geologico.
 Repertorium Italicum di Bianconi.
 Scuola Anatomica di Bologna.
 Società agraria della Provincia di Bologna.
 Società Medico-Chirurgica.
- Brescia**—Ateneo di Brescia.
- Catania**—Accademia Gioenia di Scienze Naturali.
- Firenze (Florence)**—Accademia del Cimento.
 Accademia della Crusca.
 Accademia economico-agraria dei Georgofili.
 Biblioteca Magliabecchiana.
 Osservatorio.
 Reale Museo di Fisica e Storia Naturale di Firenze.
- Genova (Genoa)**—Accademia delle Scienze, Lettere, ed Arti.
 Accademia Medico-chirurgica di Genova.
 Arch. per la Zoologia, l'Anatomia e la Physiologia.
 Osservatorio.
 Università.
- Lucca**—Reale Accademia Lucchese di Scienze, Lettere ed Arti.
- Milano**—Associazione Agricola Lombarda di Corte del Palasio.
 Ateneo di Scienze, Lettere ed Arti.
 Istituto Tecnico.
 Museo Civico di Storia Naturale.
 Museo di Storia Naturale dei fratelli Villa.
 Nazionale Biblioteca di Brera.
 Ospedale Maggiore di Milano.
 Osservatorio.
 Reale Accademia di Belle Arti.
 Reale Istituto nazionale di Scienze, Lettere ed Arti.
 Società d'Incoraggiamento d'Arti e Mestieri.
 Società Geologica.
 Società Italiana di Scienze Naturali.
 Società patriottica d'Incoraggiamento di Scienze, Lettere ed Arti.
- Modena**—Accademia di Scienze, Lettere et Arti.
 Osservatorio.
 Società Italiana delle Scienze.

Modigliana—Accademia Scientifico-letteraria.

Napoli (Naples)—Accademia degli Aspiranti Naturalisti.

Biblioteca Reale.

Osservatorio.

Reale Accademia delle Scienze e Belle Lettere.

R. Istit. d'Incoraggiamento alle Scienze Naturali.

R. Orto Botanico di Napoli.

Regale Accademia Ercolanese di Archeologia.

Padova (Padua)—Imperiale Regia Accademia di Scienze,
Lettere ed Arti di Padova.

Osservatorio.

Palermo—Accademia Palermitana di Scienze e Lettere.

Osservatorio.

Società di Acclimazione e di Agricoltura in Sicilia.

Pesaro—Accademia Agraria di Pesaro.

Pisa—Accademia Valdarnese del Poggio.

University Library.

Ravenna—Società Ravennate.

Roma—Accademia Pontificia dei Nuovi Lincei.

Accademia Romana di Archeologia.

Biblioteca Vaticana.

British Academy of Fine Arts.

Corrispondenza Scientifica in Roma.

Osservatorio Astronomico del Collegio Romano.

Siena—Accademia delle Scienze.

Università (including Osservatorio).

Torino (Turin)—Accademia Reale delle Scienze.

Accademia Reale di Agricoltura.

Accademia Reale Medico-Chirurgica.

Osservatorio.

Regia Biblioteca.

Regio Deputazione Sovra gli Studii di Storia Patria.

Regio Museo di Storia Naturale.

Regia Università.

Udine—Associazione Agraria Friulana.

Venezia (Venice)—Accademia di Belle Arti.

Ateneo Veneto.

Biblioteca Marciana.

I. R. Istituto Veneto di Scienze, Lettere ed Arti.
Mechitaristen-Collegium.

Verona—Accademia d'Agricoltura, Commercio ed Arti di
Verona.

PORTUGAL.

Coimbra—University.

Lisboa (Lisbon)—Academia Real das Sciencias.
Biblioteca Nacional.
Observatory.

SPAIN.

Barcelona—Real Academia de Buenas Letras de Barcelona.

Madrid—Acad. de las tres Nobles Artes de San Fernando.
Biblioteca Real.
Real Academia de Ciencias de Madrid.
Real Academia de Ciencias Morales y Politicas.
Real Academia de la Historia.
Real Academia Española.

San Fernando—Observatorio Marino.

GREAT BRITAIN AND IRELAND.

Aberdeen—Observatory.
Philosophical Society.

Armagh—Observatory. (Care of Rev. Dr. Robinson.)

Bath—Bath and West of England Agricultural Society.

Belfast—Belfast Institution.
Chemico-Agricultural Society of Ulster.
Library of Queen's College.
Natural History and Philosophical Society.

Berwick-on-Tweed—Berwickshire Naturalists' Club.

Bristol—Bristol Institution for the Advancement of Science,
Literature and the Fine Arts.
City Library.

Cambridge—Cambridge Antiquarian Society.
Cambridge Free Library.
Cambridge Observatory.

Cambridge Philosophical Society.
University Library.

Cirencester—Royal Agricultural College.

Cork—Cuvierian Society.
Library of Queen's College.
Royal Cork Institution.

Dublin—Catholic College of Ireland.
Chemical Society of Dublin.
Dublin University Philosophical Society.
Dublin University Zoological and Botanical Association.
Geological Society of Dublin.
Irish Archæological and Celtic Society.
Library of Trinity College.
Observatory.
Royal Dublin Society.
Royal Irish Academy.
Royal Zoological Society of Ireland.

Durham—Observatory.

Edinburgh—Bannatyne Club.
Botanical Society.
Caledonian Horticultural Society.
Edinburgh New Philosophical Journal.
Geological Society.
Highland and Agricultural Society of Scotland.
Library of Faculty of Advocates.
Meteorological Society of Scotland.
Royal Institution for Encouragement of Fine Arts
in Scotland.
Royal Observatory.
Royal Physical Society.
Royal Scottish Society of Arts.
Royal Society of Edinburgh.
Sir David Brewster.
Society of Antiquaries of Scotland.
Spalding Club.
University Library.

Eton—Eton College.

Falmouth—Royal Cornwall Polytechnic Society.

Galway—Library of Queen's College.

Glasgow—Andersonian Institute.

Philosophical Society.

University Library.

Geological Society.

Greenwich—Royal Observatory.

Hull—Royal Institution.

Isle of Wight—Philosophical and Scientific Society.

Kensington—South Kensington Museum.

Kew—Library of Kew Gardens.

Observatory.

Kilkenny—Kilkenny and Southeast of Ireland Archæological Society.

Leeds—Geological and Polytechnic Society of the West Riding of Yorkshire.

Leeds Philosophical and Literary Society.

Leicester—Leicester Literary and Philosophical Society.

Liverpool—Free Public Library, Museum, and Gallery of Art, of the Town of Liverpool.

Geological Society.

Historic Society of Lancashire and Cheshire.

Literary and Philosophical Society.

Liverpool Naturalist's Field Club.

Liverpool Polytechnic Society.

Observatory.

Royal Institution.

London—Her Majesty the Queen of Great Britain and Ireland.

William Wesley, Bookseller, 2 Queen's Head Passage,

Paternoster Row, E. C. (*Agent Smithsonian Institution*).

Aborigines Protection Society.

Annals and Magazine of Natural History.

Archæological Institute of Great Britain and Ireland.

Architectural Publication Society.

Athenæum Club.

Mr. Bishop's Observatory, Regent's Park, London.

Board of Admiralty.

Board of Trade.
British Archæological Association.
British Association for the Advancement of Science.
British Government.
British Museum. -
Camden Society.
Chemical Society of London.
Department of Practical Art.
Duke of Northumberland.
Entomological Society.
Ethnological Society of London.
Geological Association.
Geological Society of London.
Great Seal Patent Office.
Hakluyt Society.
Horticultural Society of London.
Hydrographical Office.
The Ibis, a Magazine of General Ornithology.
Institute of Actuaries of Great Britain and Ireland.
Institution of Civil Engineers.
Library of the Hon. the East India Company.
Library of Committee of Privy Council for Trade.
Library of Corporation of City of London.
Library of the House of Commons.
Linnæan Society.
London and Middlesex Archæological Society.
London, Edinburgh, and Dublin Philosophical Magazine.
London Institution (Finsbury Circus).
London Library.
London Mechanics' Institution.
Meteorological Society.
Microscopical Society.
Museum of Practical Geology.
National Association for the Promotion of Social Science.
Nautical Almanac Office.
Numismatic Society.
Palæontographical Society.
Pharmaceutical Society.

- Philological Society.
 Photographic Society.
 Ray Society.
 Redhill Observatory.
 Royal Agricultural Society of England.
 Royal Asiatic Society.
 Royal Astronomical Society.
 Royal Botanic Society.
 Royal College of Surgeons of England.
 Royal Geographical Society of London.
 Royal Institution of Great Britain.
 Royal Medical and Chirurgical Society.
 Royal Society of Literature.
 Royal Society of London.
 Society of Antiquaries of London.
 Society for the Encouragement of Arts, Manufactures,
 and Commerce.
 Statistical Society of London.
 Syro-Egyptian Society.
 University College.
 Zoological Society of London.
- Manchester**—Literary and Philosophical Soc. of Manchester.
 Geological Society.
 Manchester Field Naturalists' Society.
 Manchester Free Library and Museum.
- Markree** (Collooney, Ireland)—Observatory (of Mr. Edward Cooper).
- Maynooth**—College Library.
- Newcastle-upon-Tyne**—Literary and Philosophical Society.
 Antiquarian Society.
 Natural History Society of Northumberland, Durham,
 and Newcastle-upon-Tyne.
 Tyneside Naturalists' Field Club.
- Norwich**—Norfolk and Norwich Museum.
- Oxford**—Ashmolean Society.
 Bodleian Library.
 Oxford Free Library.
 Oxford University Entomological Society.
 Radcliffe Observatory.

- Peebles**—The Chambers Institution.
Penzance—Royal Geological Society of Cornwall.
Plymouth—Plymouth Museum.
Red Hill—R. Carrington's Observatory.
St. Andrews—University Library.
Salford—Salford Borough Royal Museum and Library.
Southampton—Ordnance Trigonometrical Survey of Great Britain and Ireland.
Stonyhurst—Stonyhurst College.
Taunton—Somersetshire Archæological and Natural History Society.
Woolwich—Royal Military Academy.
 Royal Artillery Institution.
York—York Philosophical Society.

GREECE.

- Athens**—Observatory.
 University Library.

TURKEY.

- Belgrad** (*Serbia*)—Drushtvo srbske Slovesnosti (Society of Serbian Literature).
 Praviteljstvena Biblioteka (State Library).
 Serbische Literatur Gesellschaft.
Constantinople—His Imperial Majesty the Sultan.
 Société Orientale de Constantinople.

AFRICA.

- Cape Town**—Public Library.
 Royal Observatory.
 South African Museum.
Constantine—Société Archéologique de la Province de Constantine.
Grand Cairo—Bibliothèque Centrale.
 The Egyptian Society.
Liberia—Government Library.

Mauritius—Société d'Histoire Naturelle de l'Isle Maurice.

St. Helena—St. Helena Library.

ASIA.

Allahabad—Mission College.

Batavia—Bataviaasch Genootschap van Kunsten en Wetenschappen.

Geneeskundige Vereeniging in Nederlandsch Indie
(Medical Association).

Natuurkundige Vereeniging in Nederlandsch Indie.

Nederlandsch Indische Maatschappij van Nijverheid
(Industrial Society).

Bombay—Bombay Government.

Bombay Mechanic's Institution.

Geographical Society.

Magnetical and Meteorological Observatory.

Royal Asiatic Society.

Calcutta—Asiatic Society.

Agricultural and Horticultural Society of India.

Geological Survey of India.

Medical and Physical Society.

Ceylon—Asiatic Society.

Batticotta Seminary.

Hong Kong—Asiatic Society of China.

Madras—Literary Society.

Observatory.

Manilla—Royal Economical Society of the Phillippine Islands.

Neilgherries—Public Library.

Rourkee—Thomason College.

Shanghai—Royal Asiatic Society of China (North China
Branch).

AUSTRALIA.

Hobarton (*Tasmania*)—Magnetic and Meteorological Observatory.

Mechanics' Institute.

Public Library.

Royal Society of Tasmania.

Launceston (*Tasmania*)—Launceston Public Library.

Mechanics' Institute and School of Arts.

Royal Society (branch of that at Hobarton).

Melbourne—National Museum of Victoria.

Philosophical Society of Victoria.

University of Melbourne.

Sydney—Australian Horticultural and Agricultural Society.

Observatory.

Philosophical Society of New South Wales.

University of Sydney.

POLYNESIA.

Honolulu (*Sandwich Islands*)—Royal Hawaiian Agricultural Society.

AMERICA (exclusive of British America).

Bogota (*New Grenada*)—Sociedad Economica de Amigos del Pais.

Sociedad de Naturalistas Neo-Granadinos.

Caracas (*Venezuela*)—Sociedad Economica de Amigos del Pais.

Chuquisaca (*Bolivia*)—University.

Georgetown (*British Guiana*)—Observatory.

Guatemala (*Guatemala*)—Sociedad Economica de Amigos del Pais.

Habana (*Cuba*)—Real Sociedad Economica de la Habana.

Real Universidad de la Habana.

Kingston (*Jamaica*)—Royal Society of Arts of Jamaica.

Lima (*Peru*)—Universidad.

Mexico (*Mexico*)—Colegio de Minerea.

El Museo Nacional.

Escuela de Agricultura.

Sociedad Mexicana de Geografia y Estadistica.

Paramaribo (*Surinam*)—Surinaamsche Koloniale Bibliotheek.

Rio Janeiro (*Brazil*)—British Library.

Historical and Geographical Institute of Brazil.

Imperial Brazilian Historical Society.

Nautical Observatory.

Royal Geographical Society.

Sociedad Auxiliadora de Industria Nacional.

Santiago (*Chile*)—Academia Militar.

Biblioteca Nacional.

El Plano Topographico.

Ministro de Instruccion Publico.

Observatorio Nacional de Santiago.

Universidad de Chile.

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695. **Paris.** Soc. Zoologique d'Acclimat. 25.

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761. **Palermo.** Soc. Acclimazione, Agricol. 27.

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902. **London.** Inst. Actuaries. 31.

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235. **Celle.** Landwirthschaftl. Ges. 10.
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244. **Darmstadt.** G. H. C. für die Landwirthschaft. 10.

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267. " K. P. S.- und Landwirthschaftl. Akad. Eldena. 11.

305. **Grätz.** K. K. S. Landwirthschafts-Ges. 12.

309. **Gumbinnen.** Landwirthschaftl. C.-Ver. 12.

336. **Innsbruck.** K. K. Landwirthschafts-Ges. 13.

340. **Jena.** Zeits. f. Deutsche Landwirthe. 13.

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 1035. **Mexico.** Escuela de Agricul. 35.

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 617. **Caen.** Soc. d'Agriculture, Commerce. 22.
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996. **Calcutta.** Agricult. and Horticult. Soc. 34.
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 541. **Basel.** Ges. z. Beförd. d. Guten und Gemeinnützigen. 20.
 556. **Genève.** Soc. Gen. d'Utilité publiq. 20.

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188. **Berlin.** Red. d. Archivs für path. Anat. 9.

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161. **Altona.** Thierschutz-Verein. 8.
 321. **Hamburg.** Thierschutz-Verein. 13.

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1. **Scandinavia.** K. Norræna Fornfrøda-fag. 1.
 21. **Christiania.** F. N. Fortidsmindesmerke Bevaring. 2.
 35. **Kjøbenhavn.** K. Nordiske Oldskrift-Selsk.
 84. **St. Petersburg.** I. Arkheologit. Obs.
 103. **Vilna.** Arkheologhitsheskaja Komm.
 212. **Bonn.** Ver. v. Alterthumsfreunden.
 260. **Dresden.** K. S. V. f. vaterländ. Alterthamer. 11.
 313. **Halle.** T.-S. Ver. vaterländ. Alterthumkunde. 13.
 334. **Hohenleuben.** Voigtländischer Alterthumsforsch. Ver. 13.
 342. **Karlsruhe.** B. Alterthums-Ver. 14.
 351. **Kiel.** S. H. L. Ges. f. vaterl. Alterth. 1.
 398. **Lüneburg.** Alterthums-Ver. 15.
 489. **Stuttgart.** W. Alterthums-Verein. 18.
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 563. **Lausanne.** Soc. d'Hist. Suisse Romande. 21.
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 575. **Anvers.** Acad. d'Archéologie. 21.
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 618. **Caen.** Soc. des Antiquaires. 22.
 645. **Montpellier.** Soc. Archéologique. 23.
 653. **Orléans.** Soc. Archéologique. 24.
 674. **Paris.** Soc. des Antiquaires. 24.
 683. Soc. Fr. des Monuments Hist. 24
 756. **Napoli.** R. Ac. Ercolanese di Archeol. 27
 767. **Roma.** Ac. Romana di Archeologia. 27
 812. **Cambridge.** Camb. Antiquarian Soc. 28
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 979. **Constantine.** Soc. Archéologique. 33.

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10. **Stockholm.** K. Vitterhets- Hist. Antiquitets. 1.

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61. **Moskwa.** I. Istorii i Drevnostei Ross. 4
 71. **Odessa.** O. O. Istorii i Drevnostei. 4.
 77. **Riga.** Ges. f. Gesch. u. Alterthumsk. 4

156. **Agram.** Ges. f. Gesch. u. Alterthümer. 8.
 157. **Altenburg.** Geschichts- und Alterthumsforsch. G. 8.
 469. **Schwerin.** Ver. f. M. Geschichte und Alterthumskunde. 18.
 475. **Stettin.** Ges. f. p. Geschichte und Alterthumskunde. 18.
 528. **Wiesbaden.** Ver. f. N. Geschichte u. Alterthumskunde. 20.
 557. **Genève.** Soc. d'Histoire et d'Archéol. 20.

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131. **Leeuwarden.** F. G. Geschied-oudheid-en taalkunde. 7.

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966. **Taunton.** S. Archaeological and Nat. Hist. Soc. 33.

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184. **Berlin.** K. P. technische Bau-Deput. 9.
 880. **London.** Architectural Publicat. Soc. 30.

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59. **Mitau.** Kurl. Ges. f. Literatur u. Kunst. 4.

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201. **Berlin.** Vereinigte Artillerie- und Ingenieur-Schule. 9.
 967. **Woolwich.** Royal Military Acad. 33.

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928. **London.** R. Astronomical Soc. 32.

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495. **Trieste.** K. K. Hydrot. Anstalt und Marine-Sternwarte. 19.

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270. **Ems.** Red. d. Balneologischen Zeit. 11.

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721. **Firenze.** Ac. della Crusca. 26.
 793. **Barcelona.** R. Ac. de Buenas letras. 28.
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677. **Paris.** Société de Biologie. 24.

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 222. Blinden-Unterrichts-Anst. 10.
 231. **Brünn.** M. Blinden-Erziehungs-Inst. 10.
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 561. **Lausanne.** Asile des Aveugles. 21.

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 214. **Braunschweig.** F. Vieweg und Sohn. 10.
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414. **München.** K. Botanischer Garten. 16.
 755. **Napoli.** R. Orto Botanico. 27.
 861. **Kew.** Library of Kew Gardens. 30.

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136. **Leiden.** Vereen. Flora van Nederland. 7.
 171. **Berlin.** Botanischer Ver. 8.

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 834. Edinburgh. Botanical Society. 29.
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253. Dresden. Flora: Ges. f. Botanik und Gartenbau. 11.

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520. Wien. K. K. Zoologisch-Botan. Ges. 19.
 824. Dublin. D. Univ. Zool. Botan. Assoc. 29.

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822. Dublin. Chemical Society. 29.
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504. Wien. C. Ver. Deutscher Zahnärzte. 19.

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88. St. Petersburg. Volnoe Ekonomitsheskoe Obs. 5.
 127. Haarlem. N. Ökonomische Ges. 6.
 259. Dresden. K. S. Oekonomische Ges. 11.
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 174. **Berlin.** Entomologischer Ver. 8.
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 474. **Stettin.** Entomologischer Verein. 18.
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 681. **Paris.** Soc. Entomologique. 24.
 893. **London.** Entomological Soc. 31.
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673. **Paris.** Soc. d'Anthropologie. 24.
 877. **London.** Aborigines Protection Soc. 30.
 894. Ethnological Soc. 31.

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740. **Milano.** R. Acc. di Belle Arti. 26.
 769. **Roma.** British Ac. of Fine Arts. 27.
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280. **Frankfurt-am-Main.** V. f. Geographie
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 1036. **Mexico.** Soc. Mex. Geografía y Estadis-
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 433. **Pesth.** Geologische Ges. 17.
 511. **Wien.** K. K. Geolog. Reichsanstalt. 19.
 685. **Paris.** Soc. Géologique. 25.
 713. **Bologna.** R. Istituto Geologico. 26.
 743. **Milano.** Società Geologica. 26.
 825. **Dublin.** Geological Society. 29.
 837. **Edinburgh.** Geological Society. 29.
 856. **Glasgow.** Geological Soc. 30.
 864. **Leeds.** Geological and Polytech. Soc. 30.
 868. **Liverpool.** Geological Society. 30.
 895. **London.** Geological Assoc. 31.
 896. Geological Society. 31.
 916. Mus. Practical Geology. 31.
 943. **Manchester.** Geological Society. 32.
 959. **Penzance.** R. Geological Soc. 33.
 997. **Calcutta.** Geological Survey. 34.

History.

142. **Utrecht.** Historisch Genootschap. 7.
 162. **Ansbach.** Historischer Ver. 8.
 164. **Augsburg.** Historischer Ver. 8.
 288. **Glessen.** Historischer Ver. 12.
 304. **Grätz.** Historischer Ver. 12.
 323. **Hamburg.** Ver. für Hamburg. Gesch. 13.
 333. **Hermannstadt.** Ver. Landeskunde. 13.
 349. **Kassel.** Ver. K. Landeskunde. 14.
 352. **Kiel.** S. H. L. Ges. vaterländische Gesch.
 14.
 355. **Klagenfurt.** Geschichts-Ver. 14.
 363. **Köln.** Hist. Ver. für den Niederrhein. 14.
 376. **Leibach.** Histor. Verein. 15.
 395. **Lubeck.** Ver. für lübeckische Ges. 15.
 412. **München.** Historischer Ver. 16.
 458. **Regensburg.** Historischer Ver. 17.

472. **Speier.** Historischer Ver. 18.
 532. **Würzburg.** Historischer Verein. 20.
 668. **Paris.** Institut Historique. 24.
 779. **Torino.** R. D. Studi di Storia Patria. 27.
 798. **Madrid.** R. Ac. de la Historia. 28.
 869. **Liverpool.** Historio Soc. 30.
 1040. **Rio Janeiro.** Imp. Brazil. Hist. Soc. 36.

History. *See* Antiquities.

History, Museums of. *See* Museums.

History. *See* Geography.

History and Jurisprudence.

147. **Zwolle.** Vereen. van O. Rigten Geschiedenis. 7.

History and Philology.

31. **Kjöbenhavn.** K. D. S. Fædrelandets Historie og Sprog. 2.

History and Statistics.

275. **Frankfurt-an-der-Oder.** Historisch-Statist. Ver. 11.

Horticulture.

199. **Berlin.** Ver. Beförd. des Gartenbaues. 9.
 215. **Braunschweig.** Garten-Verein. 10.
 243. **Darmstadt.** Gartenbau-Ver. 10.
 266. **Eldena.** Gartenbau-Ver. 11.
 272. **Erfurt.** Gartenbau-Verein. 11.
 277. **Frankfurt-am-Main.** Gartenbau-Ges. "Flora." 11.
 302. **Gotha.** Th. Gartenbau-Ver. 12.
 432. **Passau.** P. Gartenbau-Gesell. 16.
 477. **Stuttgart.** Gartenbau-Ges. "Flora." 18.
 494. **Trieste.** Gartenbau-Ges. 18.
 502. **Weimar.** Ver. f. Blumistik und Gartenbau. 19.
 509. **Wien.** K. K. Gartenbau-Ges. 19.
 611. **Bordeaux.** Société d'Horticulture. 22.
 648. **Moulins.** Soc. d'Horticulture. 23.
 686. **Paris.** Soc. I. C. d'Horticulture. 25.
 687. Soc. d'Horticulture de la Seine. 25.
 835. **Edinburgh.** Cal. Horticultural Soc. 29.
 899. **London.** Horticultural Soc. 31.

Horticulture. *See* Agriculture.

Horticulture. *See* Botany.

Horticulture and Pomology.

159. **Altenburg.** Pomologische Ges. 8.
 408. **Meiningen.** Ver. f. Pomologie u. Gartenbau. 16.

Horticultural Gardens. *See* Botanical Gardens.

Horticultural Schools.

68. **Odessa.** Glavnoé Ouchchilitché Sadovodstva. 4.

Hospitals. *See* Medicine and Surgery.

Hydraulics.

637. **Lyon.** Soc. Hydrométrie. 23.

Hydrography.

32. **Kjöbenhavn.** K. D. Sökort-Archivet. 2.
 82. **St. Petersburg.** Gidrog. Dep. Morskago Minist. 4.
 900. **London.** Hydrographical Office. 31.

Hydrography. *See* Astronomy.

Industry. *See* Economy; Science in General.

Industry, Popular.

111. **Amsterdam.** Vereen. Volksvljht. 6.
 172. **Berlin.** C. Ver. f. das Wohl der arbeitenden Klassen. 8.
 178. Gewerbe-Institut. 8.
 200. Ver. z. Beförd. d. Gewerbeff. 9.
 219. **Breslau.** Gewerbe-Verein. 10.
 245. **Darmstadt.** G. H. Gewerbe-Ver. 11.
 256. **Dresden.** Gewerbe-Verein. 11.
 287. **Fürth.** Gewerbe-Verein. 12.
 400. **Mainz.** G. Handels-Kammer. 15.
 447. **Prag.** B. Gewerbe-Verein. 17.
 479. **Stuttgart.** Gewerbe-Verein. 18.
 521. **Wien.** N. Gewerbe-Ver. 19.
 527. **Wiesbaden.** Gewerbe-Verein. 19.
 649. **Mulhouse.** Société Industrielle. 23.
 680. **Paris.** Soc. d'E. l'Industrie Nationale. 24.
 711. **Bergamo.** Soc. Industriale Berg. 25.
 989. **Batavia.** Ned. Ind. Maatschappij van Nijverheid. 34.
 1043. **Rio Janeiro.** Soc. Auxill. de Industria Nacional. 36.

Industry and Trade.

154. **Agram.** Handels und Gewerbekammer. 8.
 307. **Grätz.** S. Industrie- und Gewerbe-Ver. 12.
 325. **Hannover.** Gewerbe-Verein. 13.
 344. **Karlsruhe.** Gewerbe-Verein. 14.
 356. **Klagenfurt.** K. Industrie u. Gewerbe-Ver. 14.
 390. **Linz.** Handels- u. Gewerbekammer. 15.

439. Pesth. P. Handels-Akademie. 17.
 482. Stuttgart. K. C. f. Gewerbe und Handel. 18.
 512. Wien. K. K. Handels-Ministerium. 19.
 530. Worms, G. Handels-Kammer. 20.
 884. London. Board of Trade. 31.

Industry and Useful Knowledge.

153. Aachen. V. nützliche Wissensch. und Gewerbe. 8.

Journals of Universities.

2. Skandinavia. Nordisk Universitets-Tidskrift. 1.

Jurisprudence. See History.

Knowledge, Useful. See Industry.

Libraries.

13. Stockholm. Riksbiblioteket. 1.
 19. Westerås. Bibliot. Arosiensis. 2.
 26. Reykjavik. Íslands Stiftingsbókasafn. 2.
 30. Kjöbenhavn. K. Bibliothek. 2.
 69. Odessa. Gorodskaja Poubliotchnaja Biblioteka. 4.
 73. Orenburg. Bibliot. publique. 4.
 76. Riazan. Publitschnaja Biblioteka. 4.
 85. St. Petersburg. I. Publitschnaja Biblioteka. 5.
 99. Tiflis. Bibliot. Publique. 5.
 102. Toula. Bibliot. Publique. 5.
 110. Amsterdam. Stadsbibliotheek. 6.
 114. Arnheim. O. Bibliotheek. 6.
 115. Bois-le-Duc. Bibliotheek. 6.
 119. Deventer. Bibliotheek. 6.
 120. s'Gravenhage. K. Bibliotheek. 6.
 138. Middelburg. P. Bibliotheek. 7.
 179. Berlin. K. Bibliothek. 8.
 216. Bremen. Stadt-Bibliothek. 10.
 246. Darmstadt. G. Hof-Bibliothek. 11.
 257. Dresden. K. Bibliothek. 11.
 300. Gotha. H. Bibliothek. 12.
 316. Hamburg. Commerz-Bibliothek. 13.
 319. Stadt-Bibliothek. 13.
 326. Hannover. K. Bibliothek. 13.
 345. Karlsruhe. G. Hofbibliothek. 14.
 347. Kassel. K. Landes Bibliothek. 14.
 384. Leipzig. Stadt-Bibliothek. 15.
 388. Lemberg. Biblioteka Z. O. 15.
 392. Lübeck. Bibliothek. 15.
 415. München. K. Hof- und Staats-Bibliothek. 16.
 429. Oldenburg. G. Bibliothek. 16.
 430. Olmütz. K. K. Studien Bibliothek. 16.

442. Posen. Bibliothèque de Kurnik. 17.
 443. Posen. Raczyński Bibliothek. 17.
 468. Schwerin. R. Bibliothek. 18.
 483. Stuttgart. K. Ö. Bibliothek. 18.
 513. Wien. K. K. Hofbibliothek. 19.
 552. Genève. Bibliothèque. 20.
 562. Lausanne. Bibliothèque. 21.
 579. Bruxelles. Bibliothèque Royale. 21.
 615. Brest. Bibliothèque. 22.
 657. Paris. American Library. 24.
 658. Bibliothèque de la Ville. 24.
 660. Bibliothèque Imp. 24.
 723. Firenze. Biblioteca Magliab. 26.
 737. Milano. N. Biblioteca di Brera. 26.
 751. Napoli. Biblioteca Reale. 27.
 768. Roma. Biblioteca Vaticana. 27.
 778. Torino. Regia Biblioteca. 27.
 785. Venezia. Biblioteca Marciana. 27.
 791. Lisboa. Biblioteca Nacional. 28.
 795. Madrid. Biblioteca Real. 28.
 811. Bristol. City Library. 28.
 813. Cambridge. Cambr. Free Library. 28.
 839. Edinburgh. Lib. Faculty Advocates. 29.
 881. London. Athenæum Club. 30.
 892. Duke of Northumberland. 31.
 904. L. East India Company. 31.
 905. L. Comm. Privy Council for Trade. 31.
 906. L. Corpora'n City of Lond. 31.
 907. L. House of Commons. 31.
 911. London Institution. 31.
 912. London Library. 31.
 955. Oxford. Oxford Free Library. 32.
 973. Belgrad. Praviteljstvena Biblioteka. 33.
 976. Cape Town. Public Library. 33.
 980. Grand Cairo. Bibliothèque Centrale. 33.
 982. Liberia. Government Library. 33.
 984. St. Helena. St. Helena Library. 34.
 1005. Neilgherries. Public Library. 34.
 1010. Hobarton. Public Library. 35.
 1012. Launceston. L. Public Library. 35.
 1037. Paramaribo. S. Koloniale Bibliothek. 35.
 1038. Rio Janeiro. British Library. 36.
 1045. Santiago. Biblioteca Nacional. 36.

Libraries, Naval (Russian).

41. Cronstadt. C. flotskaja Biblioteka. 3.
 42. Morskaja Biblioteka. 3.

Libraries, Gallery of Art, Museums.

867. Liverpool. Free Pub. Library, Mus., and Gal. of Art. 30.

886. London. British Museum. 31.
 945. Manchester. Free Lib. and Museum. 32.
 963. Salford. S. B. R. Mus. and Library. 37.

Libraries. See Museums.

Literature.

15. Stockholm. Svenska Akademien. 2.
 37. Kjöbenhavn. Samf. Danske Literatur
 Fremme. 3.
 75. Reval. Eth. litterarische Ges. 4.
 116. Bois-le-Duc. Soc. Littéraire. 6.
 133. Leiden. Maat. Nederlands. Letterk. 7.
 584. Bruxelles. Soc. Gens de Lett. Belges. 21.
 934. London. R. Society of Literature. 32.
 972. Belgrad. Drushtvo srbske Slovesnosti.
 33.
 1002. Madras. Literary Society. 34.

Literature. See Art.

Literature, Oriental. See Oriental Societies.

Longitudes.

661. Paris. Bureau des Longitudes. 24.

Magnetism and Meteorology (Observatories). See Observatories.

Mathematical Science.

112. Amsterdam. W. Gen.: "Een onvermoide
 Arbeid komt alles te boven." 6.

Marine, Committee of.

92. St. Petersburg. Morskoi-Otchenoi Co-
 mitet. 5.

Marine, Ministry of.

93. St. Petersburg. Morskoje Ministerstvo.
 5.
 670. Paris. Minist. de la Marine. 24.

Medicine and Natural History.

141. Utrecht. Archiv Beit. Natur- und Heil-
 kunde. 7.
 208. Bonn. N. G. Natur u. Heilkunde. 9.
 254. Dresden. Ges. Natur- u. Heilkunde. 11.
 289. Giessen. O. Ges. Natur- u. Heilk. 12.
 329. Heidelberg. Naturhistor.-medizin. Ver.
 13.
 441. Plauen. Ver. Natur- und Heilkunde. 17.

Medicine and Physics.

130. Hoorn. Soc. Medico-Physica. 7.

213. Braunsberg. Physikalisch-Medicin. Ges.
 9.

274. Erlangen. Physikalisch-Medicinische
 Ges. 11.

367. Königsberg. Physik.-Medicin. Ges. 14.
 533. Würzburg. Physikal.-Medicin. Ges. 20.
 998. Calcutta. Medical and Physical Soc. 34.

Medicine and Surgery.

14. Stockholm. Schwed. Ges. der Aertze. 2.
 49. Helsingfors. Finske Läkare Sällsk. 3.
 78. Riga. Ges. Praktischer Ärzte. 4.
 105. Warschau. Acad. Médi.-Chirurgicale. 5.
 276. Frankfurt-am-Main. Aerztlicher Ver.
 11.
 452. Prag. Medicinische Facultät. 17.
 480. Stuttgart. Heilgymnastisches Inst. 18.
 490. W. Ärztlicher Verein. 18.
 500. Weiburg. Ver. Nassauischer Ärzte. 19.
 525. Wien. Red. der Ö. Zeit. praktische Heil-
 kunde. 19.
 560. Genève. Société Médicale. 21.
 620. Caen. Soc. de Médecine. 22.
 644. Metz. Soc. des Sciences Médicales. 23.
 656. Paris. Acad. Imp. de Médecine. 24.
 689. Soc. Médicale Allemande. 25.
 707. Toulouse. Soc. I. Médecine, Chirurgie et
 Pharmacie. 25.
 715. Bologna. Scuola Anatomica. 26.
 717. Soc. Medico-Chirurgica. 26.
 727. Geneva. Ac. Medico-chirurgica. 26.
 738. Milano. Ospedale Maggiore. 26.
 776. Torino. Ac. R. Medico-Chirurgica. 27.
 930. London. R. College of Surgeons. 32.
 933. R. Med. and Chirurg. Soc. 32.
 987. Batavia. Geneeskundige Vereen. 34.

Medicine and Surgery. See Anatomy.

Mental Culture in general. See also Education.

223. Breslau. S. Ges. vaterländische Cultur
 10.

Meteorology.

143. Utrecht. K. Meteorologisch Instituut. 7.
 185. Berlin. Meteorologisches Inst. 9.
 689. Paris. Soc. Météorologique. 25.
 840. Edinburgh. Meteorological Soc. 29.
 914. London. Meteorological Soc. 31.

Meteorology and Magnetism. See Observatories.

Microscope.

291. **Glessen.** Ver. Microscopie. 12.
915. **London.** Microscopical Society. 31.

Military Academies, Bureaus, and Schools. *See also Arms.*

182. **Berlin.** K. P. Generalstab der Armee. 8.
183. K. P. Kriegs-Akademie. 8.
201. Vereinigte Artillerie und Ingenieur Schule. 9.
416. **München.** K. Quartiermeister Stab. 16.
669. **Paris.** Minist. de la Guerre. 24.
967. **Woolwich.** Royal Military Acad. 33.
1044. **Santiago.** Academia Militar. 36.

Mineralogy.

90. **St. Petersburg.** Kais. R. Mineralogische Ges. 5.

Mineralogy and Geology. *See Geology.*

Mineralogy and Zoology.

461. **Regensburg.** Zoologisch-Mineralogischer Ver. 17.

Mines. *See Engineering, Mining.*

Mining Engineering. *See Engineering.*

Ministry of Marine. *See Marine.*

Ministry of Public Instruction.
See Public Instruction.

Ministry of State. *See State.*

Ministry of War. *See Military, etc.*

Moral and Political Science.

Museums in general.

20. **Bergen.** Bergensk Museum. 2.
79. **Riga.** Museum. 4.
261. **Dresden.** K. S. Kunst u. Wissenschaften. 11.
359. **Klausenburg.** Erdélyi Muz. Egylet. 14.
375. **Laibach.** Landes-Museum. 15.
391. **Linz.** Museum Francisco-Carolinum. 15.
393. **Lübeck.** Kunst- und Naturalien Cabinet. 15.
394. **Lübeck.** Mus. Kunst und Natur. 15.
437. **Pesth.** Magyar Nemzeti Museum. 17.

449. **Prag.** K. Böhmisches Museum. 17.
466. **Salzburg.** V. Museum Carolino-Augustum. 18.
493. **Trieste.** Civico Museo. 18.
629. **Douai.** Muséum d'Histoire Naturelle. 23.
725. **Firenze.** R. Museo Fisica e Storia Naturale. 26.
952. **Norwich.** Norfolk and Norwich Mus. 32.
960. **Plymouth.** Plymouth Museum. 33.
978. **Cape Town.** South African Museum. 33.
1015. **Melbourne.** National Museum. 35.
1034. **Mexico.** Museo Nacional. 35.

Museums of Art (Fine Arts, etc.).

175. **Berlin.** Königl. Museen. 8.

Museums of Art and Industry.

860. **Kensington.** South Kensington Mus. 30.

Museums of History.

426. **Nürnberg.** Germanisches Museum. 16.

Museums of Natural History.

135. **Leiden.** R. Mus. Natuurlijke Gesch. 7.
292. **Glessen.** Zoologisches Museum. 12.
516. **Wien.** K. K. Naturalien Cabinet. 19.
659. **Paris.** Jardin des Plantes. 24.
698. **Reims.** Mus. d'Histoire Naturelle. 25.
735. **Milano.** Museo C. di Storia Naturale. 26.
736. Mus. di Storia Nat. Villa. 26.
780. **Torino.** R. Museo di Storia Naturale. 27.

Natural History in general.

36. **Kjöbenhavn.** Naturhistoriske Foren. 8.
45. **Dorpat.** Dorpater Naturforscher-Ges. 3.
64. **Moskwa.** Soc. Imp. Naturalistes. 4.
80. **Riga.** Naturforschender Ver. 4.
124. **Groningen.** G. Natuurkundig Wetenschappen. 6.
158. **Altenburg.** Naturforschende Ges. 8.
166. **Augsburg.** Naturhistor. Ver. 8.
167. **Bamberg.** Naturforschende Ges. 8.
177. **Berlin.** G. Naturforschender Freunde. 8.
204. **Blankenburg.** Naturwissenschaftl. Ver. 9.
207. **Bonn.** Naturhistorischer Ver. 9.
228. **Bregenz.** Naturforschender Ver. 10.
248. **Darmstadt.** Naturhistor. Ver. 11.
241. **Danzig.** Naturforschende Ges. 10.
250. **Deidesheim.** Pollichia: Naturwissenschaftl. Ver. 11.
251. **Dessau.** Naturhistor. Ver. 11.
255. **Dresden.** Gesellschaft "Isis." 11.
264. **Elberfeld.** Naturwissenschaftl. Ver. 11.

268. Emden. Naturforschende Ges. 11.
 279. Frankfurt-am-Main. Senckenbergische naturforschende Ges. 12.
 283. Freiburg. Ges. Beförd. Naturwissenschaften. 12.
 293. Götting. Naturforschende Ges. 12.
 311. Halle. Naturforschende Ges. 13.
 312. Naturwissensch. Ver. 13.
 318. Hamburg. Naturwissenschaftl. Ver. 13.
 324. Hanau. W. Ges. gesammte Naturkunde. 13.
 327. Hannover. Naturhistor. Ges. 13.
 332. Hermannstadt. S. Ver. Naturwissenschaften. 13.
 354. Kiel. Ver. Verb. naturwissenschaftlicher Kennt. 14.
 358. Klagenfurt. Naturhistorisches Mus. 14.
 360. Klausthal. Naturwissensch. Ver. "Maja." 14.
 361. Koblenz. Naturhistorischer Ver. 14.
 362. Koburg. Ver. Naturkunde. 14.
 382. Leipzig. Naturforschende Ges. 15.
 396. Ludwigshafen. Vers. Rheinscher Naturforscher. 15.
 397. Lüneburg. Naturwissenschaftl. Ver. 15.
 399. Luxembourg. Soc. Sciences Naturelles. 15.
 401. Mainz. R. Naturforschende Ges. 15.
 403. Mannheim. Ver. Naturkunde. 15.
 404. Marburg. Ges. B. gesammten Naturwissenschaften. 16.
 409. Meissen. Naturwissenschaftliche Ges. "Isis." 16.
 422. München. Ver. für Naturkunde. 16.
 424. Neu-Brandenburg. Ver. Freunde der Naturgeschichte. 16.
 427. Nürnberg. Naturhistorische Ges. 16.
 428. Offenbach. Verein für Naturkunde. 16.
 431. Passau. Naturhistorischer Ver. 16.
 434. Pesth. Királyi Magyar Természettudományi Társulat. 17.
 453. Prag. Naturh. Ver. "Lotos." 17.
 457. Pressburg. Ver. für Naturkunde. 17.
 462. Rostock. Naturwissenschaftl. Inst. 17.
 463. M. Naturforschende Ges. 17.
 487. Stuttgart. Ver. Vaterl. Naturkunde. 18.
 529. Wiesbaden. Verein für Naturkunde. 20.
 538. V. Schweizerischer Naturf. 20.
 539. Aarau. A. Naturforschende Ges. 20.
 542. Basel. Naturforschende Ges. 20.
 544. Bern. A. S. Ges. gesammten Naturwissenschaften. 20.
 548. Naturforschende Ges. 20.
 551. Chur. Naturforschende Gesellschaft. 20.
 564. Lausanne. Soc. V. Scien. Naturelles. 21.
 566. Neuchâtel. Soc. Scien. Naturelles. 21.
 567. St. Gallen. Naturwissenschaftl. Ges. 21.
 568. Sion. Soc. V. Sciences Naturelles. 21.
 569. Solothurn. Naturforschende Ges. 21.
 573. Zürich. Naturforschende Ges. 21.
 585. Bruxelles. Soc. R. Linnéenne. 21.
 590. Liège. Soc. Sciences Naturelles. 21.
 595. Abbeville. Soc. Linnéenne. 22.
 599. Amiens. Soc. Linnéenne. 22.
 614. Bordeaux. Soc. Linnéenne. 22.
 619. Caen. Soc. Linnéenne. 22.
 625. Cherbourg. Soc. Imp. Sciences Naturelles. 23.
 636. Lyon. Soc. Linnéenne. 23.
 643. Metz. Soc. d'Histoire Naturelle. 23.
 699. Reims. Soc. Sciences Naturelles. 25.
 702. Strasbourg. Soc. Sciences Naturelles. 25.
 719. Catania. Ac. G. di Scienze Naturali. 26.
 744. Milano. Soc. Ital. di Scien. Naturali. 26.
 750. Napoli. Ac. Aspiranti Naturalisti. 27.
 754. R. Ist. d'Incor. alle Scienze Naturali. 27.
 809. Berwick-on-Tweed. Berwickshire Naturalists' Club. 28.
 818. Cork. Cuvierian Society. 29.
 871. Liverpool. L. Naturalist's Field Club. 30.
 878. London. An. Mag. Natural History. 30.
 908. Linnæan Society. 31.
 944. Manchester. M. Field Naturalists' Soc. 32.
 950. Newcastle-on-Tyne. Natural History Soc. N. D. N. 32.
 953. Oxford. Ashmolean Society. 32.
 983. Mauritius. Soc. d'Histoire Naturelle. 34.
 988. Batavia. Natuurkundige Vereen. in N. I. 34.
 1024. Bogota. Soc. de Naturalistas N. G. 35.
Natural History. See **Archæology; Medicine; Museums; Science in general.**
Natural History in general; Journals.
 209. Bonn. Red. W. Archivs f. Naturgesch. 2.
 714. Bologna. Repertorium Italicum. 26.
 728. Geneva. Arch. per la Zool. l'Anat. e la Physiol. 26.
Natural Science. See **Natural History.**

Natural and Physical Science.

559. *Genève*. Soc. Physique et d'Histoire Naturelle. 21.
 612. *Bordeaux*. Soc. Sciences Physiques et Nat. 22.
 843. *Edinburgh*. Royal Physical Soc. 29.

Nautical Almanacs. See Naval Science.**Naval Affairs. See Marine.****Naval Physicians.**

40. *Astrakhan*. O. Morskikh Wratohei. 3.
 44. *Cronstadt*. O. Morskikh Wratohei. 3.
 66. *Nicolajevsk*. O. Morskikh Wratohei. 4.
 94. *St. Petersburg*. O. Morskikh Wratohei. 5.

Naval Science.

190. *Berlin*. Red. Nautisches Jahrbuch. 9.
 496. *Trieste*. K. K. Nautische Akademie. 19.
 918. *London*. Nautical Almanac Office. 31.

Numismatics.

919. *London*. Numismatic Society. 31.

Observatories in general, especially Astronomical.

6. *Lund*. Observatoriet. 1.
 11. *Stockholm*. Observatoriet. 1.
 18. *Upsala*. Univ. Observatoriet. 2.
 23. *Christiania*. Observatorium. 2.
 28. *Kjöbenhavn*. A. Observatorium. 2.
 43. *Cronstadt*. Mors. Observatorija. 3.
 47. *Dorpat*. K. Univ.-Sternwarte. 3.
 54. *Kasan*. Observatorium. 3.
 58. *Kiew*. Observatorium. 3.
 63. *Moskwa*. Observatorium. 4.
 74. *Pulkowa*. Observatoire. 4.
 104. *Vilna*. Observatoire. 5.
 107. *Warschau*. Observatoire. 5.
 134. *Leiden*. R. Observatorium. 7.
 144. *Utrecht*. Observatorium. 7.
 160. *Altona*. Sternwarte. 8.
 195. *Berlin*. Univ.-Sternwarte. 9.
 203. *Bilk* (bei Düsseldorf). Sternwarte. 9.
 205. *Bonn*. K. Sternwarte. 9.
 211. U. Sternwarte. 9.
 217. *Bremen*. Sternwarte. 10.
 226. *Breslau*. U.-Sternwarte. 10.
 242. *Danzig*. Sternwarte. 10.
 297. *Göttingen*. Sternwarte. 12.
 301. *Gotha*. Sternwarte. 12.

320. *Hamburg*. Sternwarte. 13.
 369. *Königsberg*. Sternwarte. 14.
 373. *Krakau*. Sternwarte. 15.
 374. *Kremsmünster*. Sternwarte. 15.
 387. *Leipzig*. U.-Sternwarte. 15.
 402. *Mannheim*. Sternwarte. 15.
 405. *Marburg*. Sternwarte. 16.
 421. *München*. Sternwarte. 16.
 436. *Pesth*. K. K. Sternwarte. 17.
 451. *Prag*. K. K. Sternwarte. 17.
 473. *Speier*. Sternwarte des K. Lyzeums. 18.
 519. *Wien*. K. K. Sternwarte. 19.
 549. *Bern*. Sternwarte. 20.
 554. *Genève*. Observatoire. 20.
 583. *Bruxelles*. Observatoire Royal. 21.
 640. *Marseille*. Observatoire. 23.
 672. *Paris*. Observatoire Imp. 24.
 724. *Firenze*. Osservatorio. 26.
 729. *Geneva*. Osservatorio. 26.
 739. *Milano*. Osservatorio. 26.
 747. *Modena*. Osservatorio. 26.
 752. *Napoli*. Osservatorio. 27.
 758. *Padova*. Osservatorio. 27.
 760. *Palermo*. Osservatorio. 27.
 771. *Roma*. Osservatorio Astronomico. 27.
 777. *Torino*. Osservatorio. 27.
 792. *Lisboa*. Observatory. 28.
 800. *San Fernando*. Observat. Marine. 28.
 801. *Aberdeen*. Observatory. 28.
 803. *Armagh*. Observatory. 28.
 814. *Cambridge*. Cambridge Observatory. 28.
 828. *Dublin*. Observatory. 29.
 832. *Durham*. Observatory. 29.
 842. *Edinburgh*. Royal Observatory. 29.
 857. *Greenwich*. Royal Observatory. 30.
 873. *Liverpool*. Observatory. 30.
 882. *London*. Bishop's Observatory. 30.
 925. Redhill Observatory. 32.
 946. *Markree*. Observatory. 32.
 957. *Oxford*. Radcliffe Observatory. 32.
 970. *Athens*. Observatory. 33.
 977. *Cape Town*. Royal Observatory. 33.
 1003. *Madras*. Observatory. 34.
 1019. *Sydney*. Observatory. 35.
 1027. *Georgetown*. Observatory. 35.
 1041. *Rio Janeiro*. Nautical Observatory. 36.
 1048. *Santiago*. Observatorio Nacional. 36.

Observatories, Astronomical. See Observatories.**Observatories, Magnetical and Meteorological.**

50. *Helsingfors*. Magnet. meteorol. Obser. 3.

97. **St. Petersburg.** T. fisitcheskaja Observatoria. 5.
 100. **Tiflis.** Obs. Magnétique Météorolog. 5.
 507. **Wien.** K. K. C. Meteorologie u. Erd-Magnetism. 19.
 862. **Kew.** Observatory. 30.
 993. **Bombay.** Magnet. and Meteor. Obs. 34.
 1008. **Hobarton.** Magnet. Meteorol. Obs. 34.

Observatories, Physical. *See* **Observatories, Magn. and Met.**

Oriental Literature and Science.

98. **St. Petersburg.** Vostotochnoi Institut. 5.
 378. **Leipzig.** D. Morgenländische Ges. 15.
 518. **Wien.** K. K. Orientalische Akad. 19.
 665. **Paris.** É. I. S. Langues orientales vivantes. 24.
 675. Société Asiatique. 24.
 691. Soc. Orientale. 25.
 927. **London.** R. Asiatic Society. 32.
 939. Syro-Egyptian Soc. 32.
 975. **Constantinople.** Société Orientale. 33.
 981. **Grand Cairo.** The Egyptian Soc. 33.

Ornithology.

149. **Deutsche Ornithologen-Ges.** 7.
 843. **Kassel.** Red. Journs. f. Ornithologie. 14.
 901. **London.** The Ibis. 31.

Palæontology.

582. **Bruxelles.** Soc. Palæontologique. 21.
 920. **London.** Palæontographical Soc. 31.

Patents. *See also* **Technology.**

662. **Paris.** Cons. des Arts et Métiers. 24.
 897. **London.** G. Seal Patent Office. 31.

Pharmacy.

12. **Stockholm.** Pharmaceutiska Inst. 1.
 89. **St. Petersburg.** Kais. pharmaceutische Ges. 5.
 148. **Deutsche Apotheker-Verein.** 7.
 202. **Bernburg.** Apotheker-Verein. 9.
 330. **Heidelberg.** S. Apotheker Ver. 13.
 459. **Regensburg.** K. B. Apotheker Vere. 17.
 576. **Anvers.** Soc. de Pharmacie. 21.
 682. **Paris.** Société de Pharmacie. 24.
 921. **London.** Pharmaceutical Soc. 31.

Philology. *See also* **Antiquities; History.**

922. **London.** Philological Society. 32.

Philosophy, Experimental. *See* **Physical Science.**

Photography.

923. **London.** Photographie Society. 32

Physicians. *See* **Naval Physicians.**

Physical Science. *See also* **Natural Science.**

139. **Rotterdam.** Gen. Proefondervindelijke Wijsbegeerte. 7.
 186. **Berlin.** Physikalische Ges. 9.
 278. **Frankfurt-am-Main.** Physikalischer Ver. 12.

Physical Observatories. *See* **Observatories.**

Physics. *See* **Economy; Medicine; Physical Science; Science.**

Political Science. *See* **Moral Science.**

Polytechnics. *See* **Technology.**

Pomology. *See* **Agriculture; Horticulture.**

Popular Industry. *See* **Industry.**

128. **Haarlem.** Teyler's Genootschap. 6.
 146. **Zwolle.** Overys. Vereeniging. 7.

Poultry.

295. **Görlitz.** Ver. Hühnerzucht. 12.

Printing. *See* **Booksellers.**

Prisons.

488. **Stuttgart.** Ver. für entlassene Strafgelassene. 18.

Provincial Welfare.

Psychology.

168. **Bendorf.** Ges. Psychiatrie und gerichtliche Psychologie. 8.

Public Instruction, Ministry of.

91. **St. Petersburg.** Ministerstvo narodnago prosvestchenija. 5.
 671. **Paris.** Minist. de l'Instruction Publique. 24.
 1047. **Santiago.** Minis. Instruccion Publica. 36.

Quartermaster Corps. See Military.**Railroads.**

198. Berlin. Ver. Eisenbahnkunde. 9.
 486. Stuttgart. Ver. D. Eisenbahn-Verwaltungen. 18.

Rural Economy. See Agriculture.**Schools (Academies, including Gymnasias). See Universities.****Schools.**

306. Grätz. S.-S. Joanneum. 12.
 317. Hamburg. Johanneum. 13.
 435. Pesth. K. K. Obergymnasium. 17.
 517. Wien. K. K. Ober-Gymnasium. 19.
 547. Bern. Kanton-Schule. 20.
 705. Toulon. Académie Navale. 25.
- Science in general (including Academies, Associations, and Societies of widest scope).**
3. Skand. Naturforskernes Forsaml. 1.
 4. Götheborg. K. Vetenskaps Vitterhets-S. 1.
 7. Lund. Physiographiske Foren. 1.
 9. Stockholm. K. Vetenskaps-Akad. 1.
 17. Upsala. K. Vetenskaps-Soc. 2.
 24. Christiania. Videnskabs Selsk. 2.
 25. Trondhjem. K. N. Videnskabernes-Selsk. 2.
 33. Kjöbenhavn. K. D. Videnskabernes-Selsk. 3.
 46. Dorpat. Gelehrte Ethnische Ges. 3.
 51. Helsingfors. Soc. Scientiar. Fennica. 3.
 83. St. Petersburg. I. Akademija Nauk. 5.
 108. Amsterdam. K. Akad. Wetenschappen. 6.
 126. Haarlem. H. Maatschappij Wetenschappen. 6.
 129. Hertogenbosch. P. G. Kunsten en Wetenschappen. 7.
 137. Middelburg. Gen. der Wetenschappen. 7.
 145. Utrecht. P. U. G. Kunsten en Wetenschappen. 7.
 152. Versamml. Naturforscher und Aerzte. 8.
 181. Berlin. K. P. Ak. Wissenschaften. 8.
 233. Buda. Magyar Tudományos Akad. 10.
 271. Erfurt. Akad. Gemeinnütz. Wissenschaften. 11.
 294. Göttingen. O. Ges. Wissenschaften. 12.
 296. Göttingen. K. Ges. Wissenschaften. 12.

335. Innsbruck. Ferdinandeum. 13.
 339. Jena. K. L. C. Deutsche Akademie. 13.
 371. Krakau. C. K. Towarzystwo Naukowe Krak. 15.
 380. Leipzig. F. Jablonowski'sche Ges. 15.
 381. K. S. Ges. Wissenschaften. 15.
 413. München. K. B. Akad. Wissensch. 16.
 425. Nordhausen. Wissensch. Verein. 16.
 438. Pesth. Magyar Tudós Társaság. 17.
 448. Prag. K. B. Ges. Wissenschaften. 17.
 499. Vicenza. Accademia Olimpica. 19.
 506. Wien. K. Akad. Wissenschaften. 19.
 553. Genève. Institut National Genevois. 20.
 577. Anvers. Soc. R. des Sciences. 21.
 578. Bruxelles. Acad. R. Sciences, Lettres, Beaux-Arts. 21.
 589. Liège. Société Royale des Sciences. 21.
 592. Mons. Soc. Sciences, Arts, Lettres. 21.
 593. Inst. des Provinces de France. 22.
 594. Congrès Scientifique de France. 22.
 596. Abbeville. Soc. Imp. d'Emulation. 22.
 597. Aix. Acad. Sciences, Agriculture, Arts, Belles-Lettres. 22.
 600. Angers. Soc. d'Agric., Sciences, Arts. 22.
 601. Soc. Académique. 22.
 603. Arcueil. Société d'Arcueil. 22.
 604. Arras. Société d'Arras. 22.
 605. Bayeux. Soc. d'Agricul., Sciences, Arts, Belles-Lettres. 22.
 606. Beauvais. Soc. d'Archéologie, Sciences, Arts. 22.
 607. Besançon. A. Sciences, Belles-Lettres et Arts. 22.
 609. Bordeaux. Acad. I. Sciences, Belles-Lettres et Arts. 22.
 613. Soc. Philomathique. 22.
 616. Caen. Acad. Sciences, Arts et Belles-Lettres. 22.
 621. Chambéry. Soc. Imp. Académique. 22.
 622. Acad. Impériale. 22.
 623. Châlons-sur-Marne. Soc. d'Agricul., Commerce et Sciences. 23.
 624. Cherbourg. Soc. Académique. 23.
 626. Clermont-Ferrand. Acad. Sciences, Belles-Lettres et Arts. 23.
 627. Dijon. Acad. Sciences, Arts et Belles-Lettres. 23.
 630. Dunkerque. Soc. D. Encour. des Sciences. 23.
 631. Evreux. Soc. L. d'Agriculture, Sciences, Arts, Belles-Lettres. 23.
 632. Le Mans. Soc. d'Agriculture, Science et Arts. 23.
 633. Lille. Soc. I. Sciences, Agric., Arts. 23.

634. **Lyon.** Soc. I. Agriculture, Histoire Naturelle et Arts Utiles. 23.
635. **Acad. Sciences, Belles-Lettres et Arts.** 23.
638. **Mâcon.** Acad. de Mâcon. 23.
639. **Marsailles.** Acad. Sciences, Lettres et Arts. 23.
641. **Mende.** Soc. d'Agriculture, Industrie, Sciences et Arts. 23.
642. **Metz.** Acad. Impériale de Metz. 23.
646. **Montpellier.** Acad. Sciences et Lettres. 23.
650. **Nancy.** Académie de Stanislas. 24.
651. **Nîmes.** Académie du Gard. 24.
652. **Orleans.** Soc. Sciences, Belles-Lettres et Arts. 24.
667. **Paris.** Institut de France. 24.
692. **Soc. Philomatique.** 25.
694. **Soc. Secours des Amis des Sciences.** 25.
696. **Puy.** Soc. Agric., Sciences, Arts, Commerce. 25.
697. **Reims.** Académie de Reims. 25.
700. **Rouen.** Acad. Sciences, Belles-Lettres, Arts. 25.
701. **Saint-Quentin.** Soc. A. Sciences, Arts, Belles-Lettres, et Agric. 25.
703. **Strasbourg.** Soc. Sciences, Agric., Arts. 25.
704. **Tarbes.** Soc. Acad. des Hautes-Pyrénées. 25.
706. **Toulouse.** A. Sciences, Inscriptions et Belles-Lettres. 25.
708. **Tours.** Soc. Agriculture, Sciences, Arts, Belles-Lettres. 25.
709. **Troyes.** Soc. Agriculture, Sciences, Arts et Belles-Lettres. 25.
710. **Arezzo.** Ac. di Scienze, Lettere ed Arti. 25.
712. **Bologna.** Ac. delle Scienze. 26.
718. **Brescia.** Ateneo. 26.
720. **Firenze.** Ac. del Cimento. 26.
726. **Genova.** Ac. Scienze, Lettere ed Arti. 26.
731. **Lucca.** R. Ac. Lu. Scienze, Lettere ed Arti. 26.
733. **Milano.** At. di Scienze, Lettere ed Arti. 26.
741. **R. Ist. n. di Scienza, Lettere ed Arti.** 26.
745. **Soc. pat. d'Incora. di Scienze, Lettere ed Arti.** 26.
746. **Modena.** Acc. di Scienze, Lettere ed Arti. 26.
748. **Soc. Ital. delle Scienze.** 26.
749. **Modigliana.** Acc. Scientifico-letteraria. 27.
753. **Napoli.** R. Acc. Scienze e Belle Lettere. 27.
757. **Padova.** I. R. Acc. di Scienze, Lettere ed Arti. 27.
759. **Palermo.** Acc. Pal. di Scienze e Lettere. 27.
763. **Pisa.** Acc. Valdarnese. 27.
765. **Ravenna.** Società Ravennate. 27.
766. **Roma.** Acc. Pontificia Nuovi Lincei. 27.
770. **Correspond. Scientifica.** 27.
772. **Siena.** Acc. delle Scienze. 27.
774. **Torino.** Acc. Reale delle Scienze. 27.
784. **Venezia.** Ateneo Veneto. 27.
786. **I. R. Ist. di Scienze, Lettere ed Arti.** 28.
790. **Lisboa.** Acad. Real das Sciencias. 28.
796. **Madrid.** R. Ac. de Ciencias. 28.
802. **Aberdeen.** Philosophical Society. 28.
805. **Belfast.** Belfast Institution. 28.
808. **Nat. Hist. and Philos. Soc.** 28.
810. **Bristol.** B. Inst. for the Adv. of Science, Literat. and Fine Arts. 28.
820. **Cork.** Royal Cork Institution. 29.
823. **Dublin.** D. Univ. Philosophical Soc. 29.
829. **Royal Dublin Soc.** 29.
830. **Royal Irish Academy.** 29.
836. **Edinburgh.** Ed. New Philos. Journ. 29.
845. **Royal Society.** 29.
853. **Glasgow.** Andersonian Institute. 30.
854. **Philosophical Society.** 30.
858. **Hull.** Royal Institution. 30.
859. **Isle of Wight.** Philos. and Scientific Soc. 30.
865. **Leeds.** L. Philos. Literary Soc. 30.
866. **Leicester.** L. Lit. and Philos. Soc. 30.
870. **Liverpool.** Literary and Philos. Soc. 30.
874. **Royal Institution.** 30.
886. **London.** B. As. for Advancement of Science. 31.
910. **London.** Ed. Dub. Philosophical Mag. 31.
932. **R. Institution of G. B.** 32.
935. **Royal Society.** 32.
942. **Manchester.** Lit. and Philos. Soc. 32.
948. **Newcastle-upon-Tyne.** Lit. and Philos. Soc. 32.
958. **Peebles.** Chambers Institution. 33.
968. **Woolwich.** Royal Artillery Inst. 33.
969. **York.** York Philosophical Soc. 33.
986. **Batavia.** B. Gen. Kunsten en Wetenschappen. 34.
994. **Bombay.** Royal Asiatic Society. 34.

995. **Calcutta.** Asiatic Society. 34.
 999. **Ceylon.** Asiatic Society. 34.
 1001. **Hong Kong.** Asiatic Soc. China. 34.
 1007. **Shanghai.** R. Asiatic Soc. China. 34.
 1011. **Hobarton.** Royal Soc. of Tasmania. 35.
 1014. **Launceston.** Royal Soc. (branch). 35.
 1016. **Melbourne.** Philosophical Soc. 35.
 1020. **Sydney.** Philosophical Soc. 35.

Science, Moral and Political. *See*
Moral.

Science, Natural. *See* **Natural.**

Science, Physical. *See* **Physical.**

Science, Social. *See* **Social.**

Scientific Associations. *See* **Science.**

Sheep.

454. **Prag.** Schafzüchter-Verein. 17.

Silkworm.

446. **Potsdam.** Ver. Beförd. Seidenbaues. 17.
 647. **Montpellier.** Soc. G. d'Encour. à la Sericulture. 23.

Smithsonian Agents. *See* **Agents.**

Social Science.

917. **London.** Nat. Ass. Promotion of Social Science. 31.

State Governments. *See* **Crowned Heads.**

State, Ministry of.

417. **München.** K. Staats-Ministerium. 16.
 485. **Stuttgart.** K. Staats Archiv. 18.

Statistics. *See also* **Geography.**

96. **St. Petersburg.** Statisticheskii Tsentralfi Komitet. 5.
 191. **Berlin.** Red. Statist. Central-Archiv. 9.
 192. Statistisches Bureau. 9.
 197. Ver. deutsche Statistik. 9.
 263. **Dresden.** Statistisches Bur. 11.
 328. **Hannover.** Statistisches Bureau. 13.
 467. **Schwerin.** G. Statistisches Bureau. 18.
 508. **Wien.** K. K. Dir. Administrativen Statistik. 19.
 546. **Bern.** E. Statistisches Bureau. 20.
 684. **Paris.** Soc. F. Statistique Universelle. 24.
 901. **London.** Inst. Actuaries. 31.
 938. Statistical Society. 32.

Statistics, and Topography.

484. **Stuttgart.** K. Statistisch-topographisches Bur. 18.

Stenography.

193. **Berlin.** Stenographischer Ver. 9.

Surgery. *See* **Medicine.**

Technology and Polytechny.

117. **Delft.** Bureau Technologique. 6.
 187. **Berlin.** Polytechnische Ges. 9.
 383. **Leipzig.** Polytechnische Ges. 15.
 420. **München.** Polytechnischer Ver. 16.
 523. **Wien.** Polytechnische Ges. 19.
 534. **Würzburg.** Polytechnischer Ver. 20.
 555. **Geneve.** Société des Arts. 20.
 571. **Zürich.** École Polytechnique Féd. 21.
 666. **Paris.** École Polytechnique. 24.
 693. Soc. Polytechnique. 25.
 734. **Milano.** Istituto Tecnico. 26.
 742. Soc. d'Incoragg. d'Arti e Mestieri. 26.
 844. **Edinburgh.** R. Scottish Soc. of Arts. 29.
 851. **Falmouth.** R. Cornwall Polytechnic Soc. 30.
 872. **Liverpool.** L. Polytechnic Soc. 30.
 891. **London.** Dep. Practical Art. 31.
 913. London Mechanics' Inst. 31.
 937. Soc. Arts, Man. and Commerce. 32.
 991. **Bombay.** Bombay Mechanics' Inst. 34.
 1009. **Hobarton.** Mechanics' Institute. 34.
 1013. **Launceston.** Mechanics' Institute and School of Arts. 35.
 1031. **Kingston.** R. Soc. of Arts of Jamaica. 35.

Thermal Waters. *See* **Baths.**

Topography. *See* **Statistics.**

Trade. *See* **Industry.**

Trade, Free. *See* **Free Trade.**

Universities (including Academies, etc.) *See also* **Schools.**

5. **Lund.** K. Universitetet. 1.
 16. **Upsala.** K. Universitetet. 2.
 22. **Christiania.** K. N. Universitetet. 2.
 48. **Dorpat.** Universität. 3.
 52. **Helsingfors.** Universität. 3.
 53. **Kasan.** Kazanskii Universitet. 3.
 55. **Kharkow.** Universität. 3.
 57. **Kiew.** Imp. Universitet. 3.
 60. **Moakwa.** I. Universitet. 4.

87. **St. Petersburg.** I. St. Petersburgskii Universitet. 5.
123. **Groningen.** Academia Groningana. 6.
132. **Leiden.** Academia Lugduno-Batava. 7.
140. **Utrecht.** Acad. Rheno-Trajectina. 7.
194. **Berlin.** Universität. 9.
210. **Bonn.** Universität. 9.
225. **Breslau.** Universität. 10.
273. **Erlangen.** Universität. 11.
284. **Freiburg.** Universität. 12.
290. **Giessen.** Universität. 12.
298. **Göttingen.** Universität. 12.
308. **Greifswald.** Universität. 12.
314. **Halle.** Universität. 13.
331. **Heidelberg.** Universität. 13.
337. **Innsbruck.** Universität. 13.
353. **Kiel.** Universität. 14.
370. **Königsberg.** Universität. 14.
372. **Krakau.** Uniwersytet. 15.
386. **Leipzig.** Universität. 15.
406. **Marburg.** Universität. 16.
418. **München.** K. Universität. 16.
440. **Pesth.** Universität. 17.
455. **Prag.** Universität. 17.
464. **Rostock.** Universität. 17.
498. **Tübingen.** Universität. 19.
526. **Wien.** Universität. 19.
535. **Würzburg.** Universität. 20.
543. **Basel.** Universität. 20.
550. **Bern.** Universität. 20.
574. **Zürich.** Universität. 21.
587. **Gand.** Université. 21.
591. **Louvain.** Université. 21.
730. **Genova.** Università. 26.
764. **Pisa.** Università. 27.
773. **Siena.** Università (Osservatorio). 27.
781. **Torino.** Regia Università. 27.
787. **Venezia.** Mechitaristen-Collegium. 28.
789. **Colimbra.** University. 28.
807. **Belfast.** Queen's College. 28.
816. **Cambridge.** University. 29.
819. **Cork.** Queen's College. 29.
821. **Dublin.** Catholic College. 29.
827. **Trinity College.** 29.
849. **Edinburgh.** University. 29.
850. **Eton.** Eton College. 29.
852. **Galway.** Queen's College. 30.
855. **Glasgow.** University. 30.
940. **London.** University College. 32.
947. **Maynooth.** College Library. 32.
954. **Oxford.** Bodleian Library. 32.
962. **St. Andrews.** University. 33.
965. **Stonyhurst.** Stonyhurst College. 33.
971. **Athens.** University Library. 33.
985. **Allahabad.** Mission College. 34.
1000. **Ceylon.** Batticotta Seminary. 34.
1006. **Rourkee.** Thomason College. 34.
1017. **Melbourne.** Univ. of Melbourne. 35.
1021. **Sydney.** University of Sydney. 35.
1026. **Chuquisaca.** University. 35.
1030. **Habana.** Real Universidad. 35.
1032. **Lima.** Universidad. 35.
1049. **Santiago.** Universidad. 36.
- Universities, Journals of.**
2. **Scandinavia.** Nord. Univ. Tidsskrift. 1.
- Universities, Libraries of. See Universities.**
- Universities, Museums of. See Museums.**
- Universities, Observatories of. See Observatories.**
- Useful Knowledge. See Industry**
- Utility. See Amusement.**
- Veterinary Science.**
38. **Kjöbenhavn.** Tidsskrift for Veterinær. 3.
39. **Veterinær-Selskab.** 3.
- Vine. See Wine.**
- War, Ministry of.**
669. **Paris.** Minist. de la Guerre. 24.
- Watchmaking.**
565. **Lausanne.** Soc. Industrielle d'Horlogerie. 21.
- Welfare, Provincial. See Provincial.**
- Wine Culture.**
478. **Stuttgart.** Ges. Weinverbesserung. 18.
- Zoology. See also Botany; Mineralogy.**
109. **Amsterdam.** K. Zoologisch G. "Natur Artis Magistra." 6.
281. **Frankfurt-am-Main.** Zoologische Ges. 12.
728. **Genova.** Arch. per la Zool., l'Anat. e l'Phys. 26.
831. **Dublin.** Royal Zoological Soc. 29.
941. **London.** Zoological Society. 32.





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